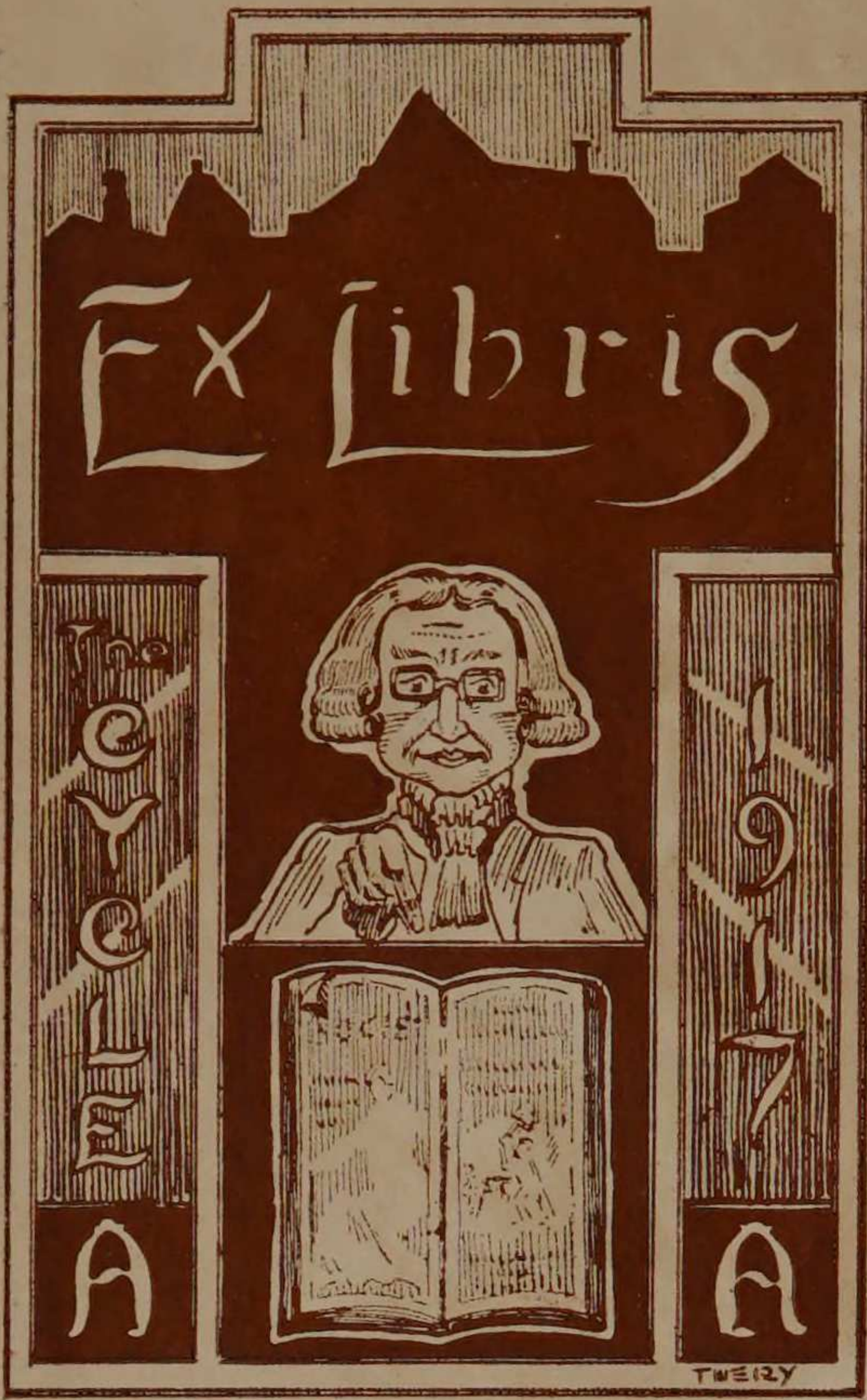


1917









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# The Cycle

THE STUDENT  
ANNUAL OF

Armour Institute of Technology

CHICAGO  
ILLINOIS

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for the Junior Class  
of the College of Engineering

Volume Five: Nineteen Hundred and Seventeen



## Table of Contents

Title Page . . . . .	3
Dedication . . . . .	7
Board of Trustees . . . . .	9
Executive Council . . . . .	10
Officers of Administration . . . . .	12
Faculty . . . . .	17
Alumni . . . . .	31
<i>Classes:</i>	
Seniors . . . . .	37
Juniors . . . . .	59
Sophomores . . . . .	63
Freshmen . . . . .	71
Organizations . . . . .	80
The Press . . . . .	111
Society . . . . .	121
Junior Week . . . . .	129
Junior Play . . . . .	139
Sports . . . . .	151
Fraternities . . . . .	179
Class Societies . . . . .	215
Humor . . . . .	235

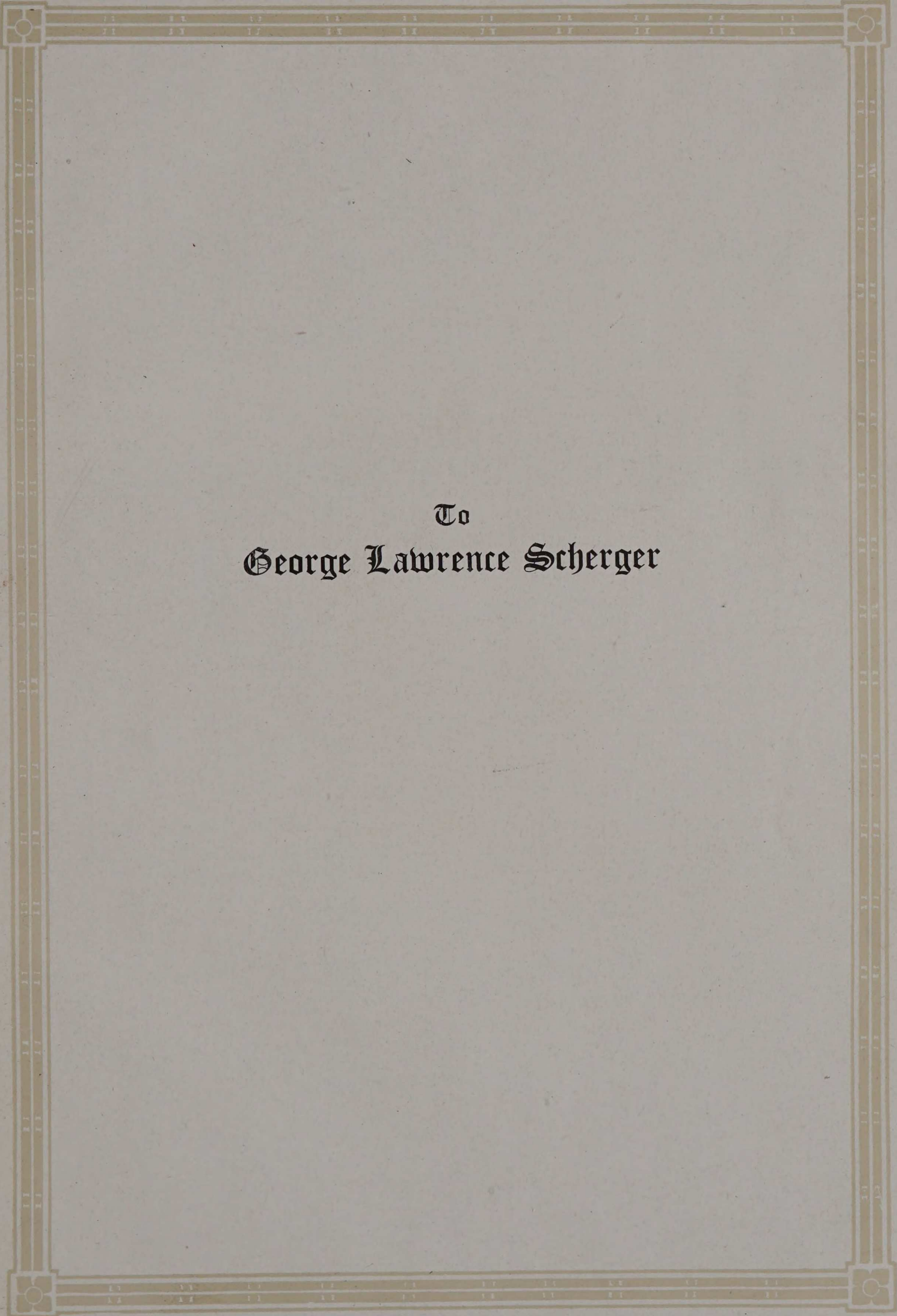












To  
George Lawrence Scherger



## George Lawrence Scherger

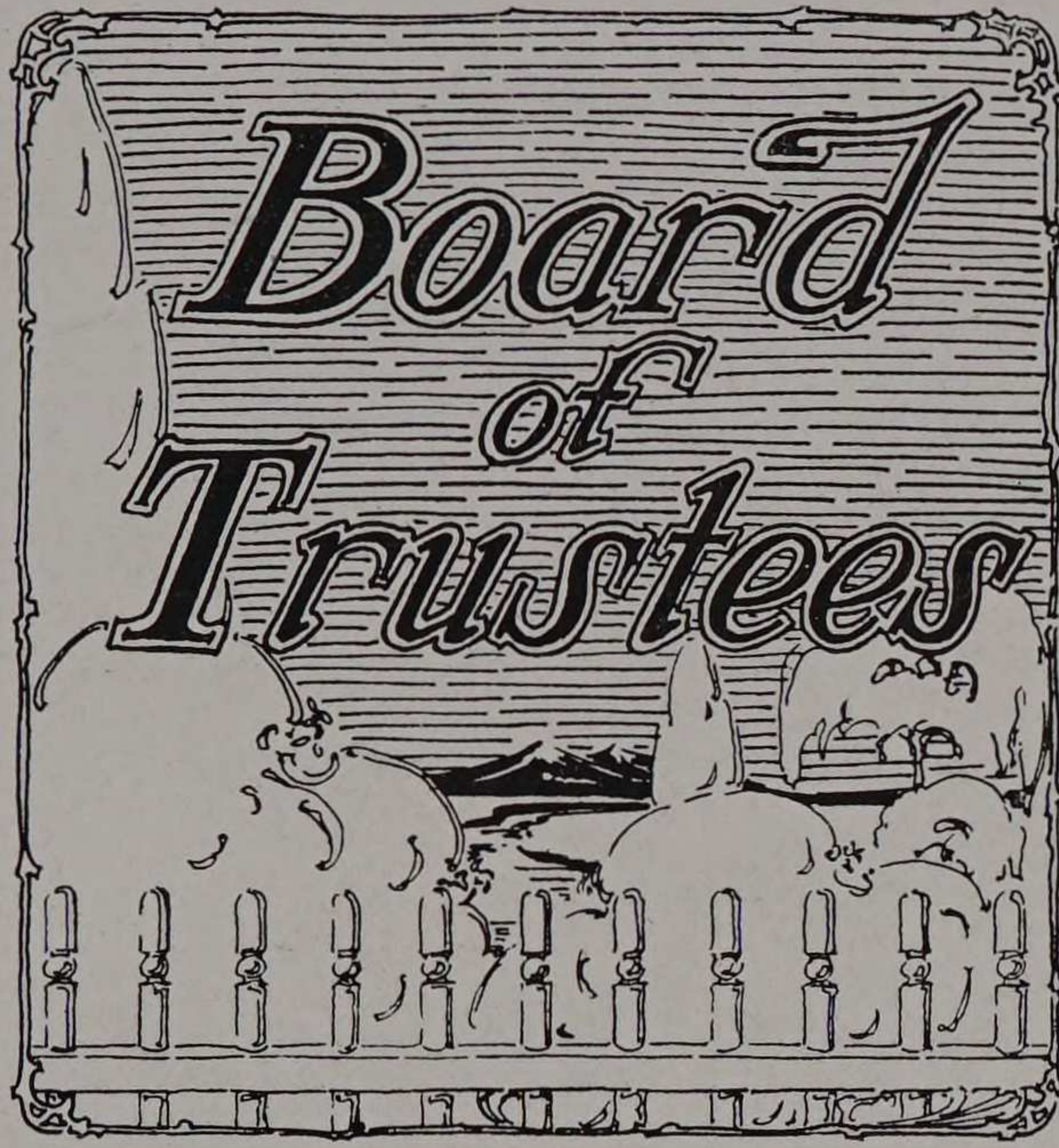
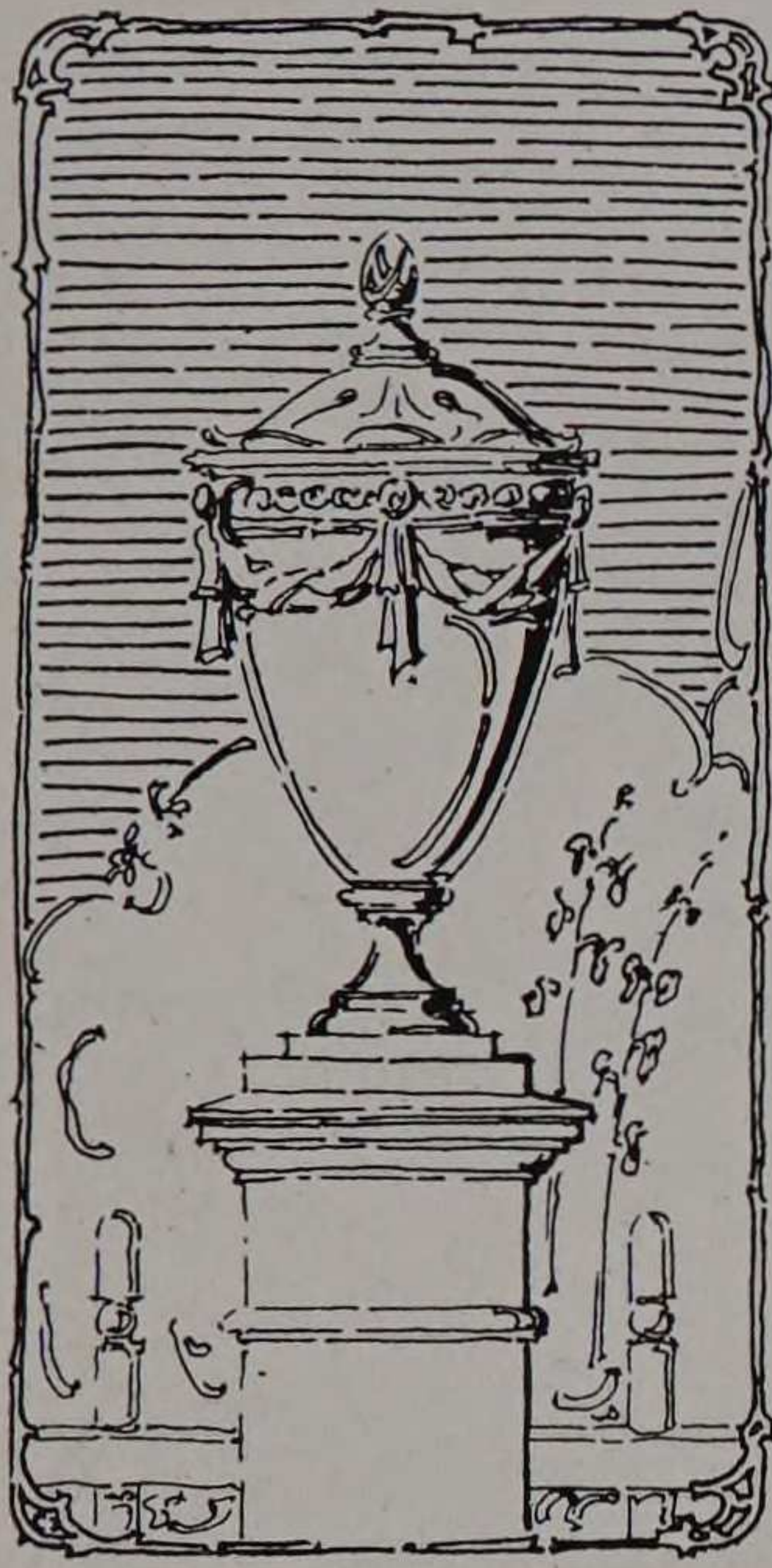
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In dedicating The 1917 Cycle to GEORGE LAWRENCE SCHERGER, the editors are choosing to honor one of the best and truest friends of the Armour Institute of Technology. DR. SCHERGER was appointed instructor in History at Armour in 1899, associate professor in 1901, and professor in 1903. He was born in Lawrenceburg, Indiana on October 21, 1874. In 1894, he received the degree of A.B. from the University of Indiana; attended the Universities of Leipzig and Berlin during the years 1895-98; and received the degree of Ph.D. from Cornell University in 1899.

DR. SCHERGER's life is a busy one. Besides having charge of the Department of History and Political Science at Armour Institute, he is pastor and superintendent of Armour Mission, assistant pastor at Central Church, professor at Columbia College of Expression, member of American Historical Association, North Central History Teachers' Association, and the University Club. DR. SCHERGER is the author of "The Evolution of Modern Liberty," "The Evolution of the German Empire," and many magazine articles. He is a great lover of art and music, and is an organist of noted ability.

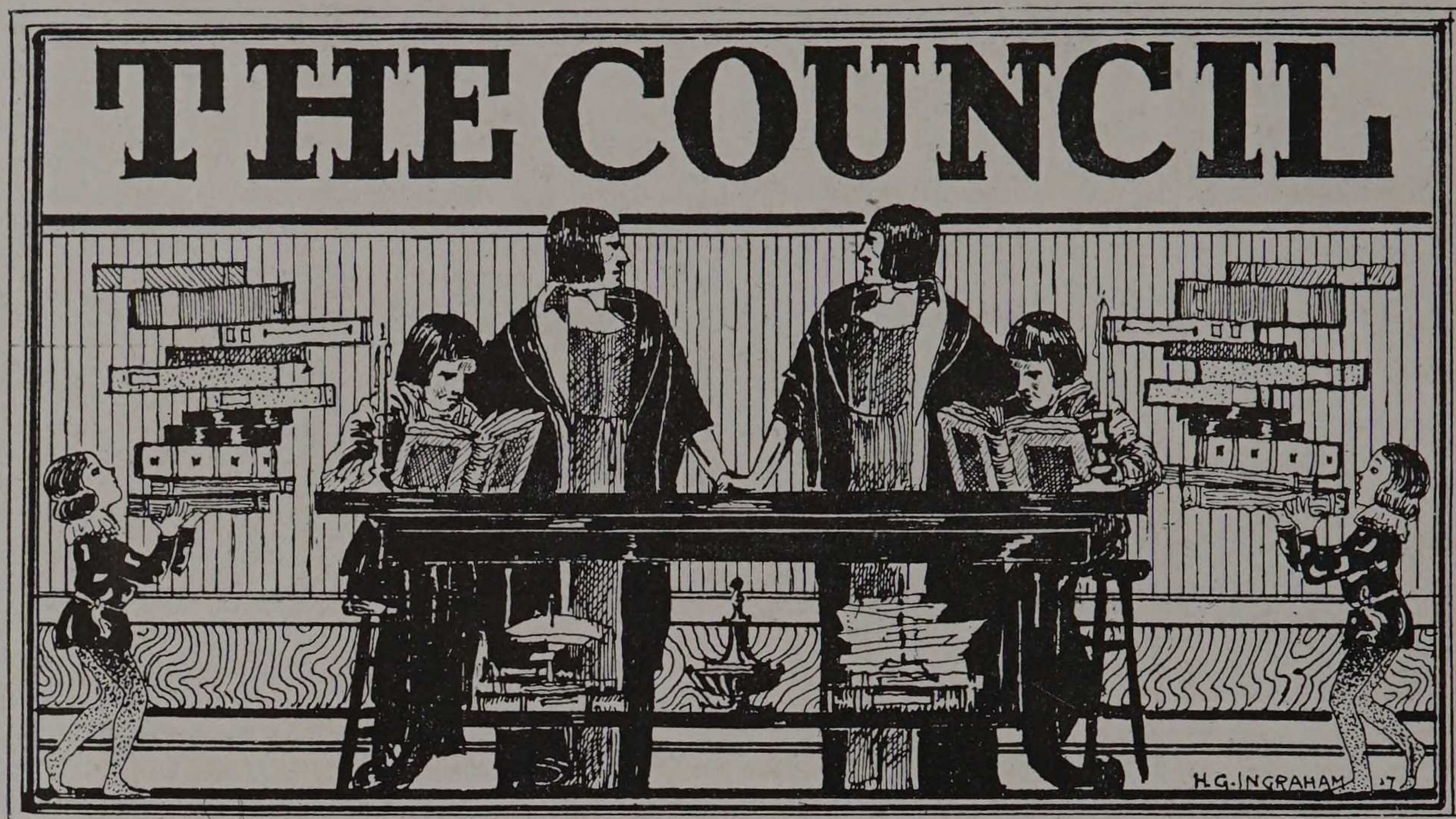
DR. SCHERGER's personal acquaintance with the students is extensive, his constant interest in their affairs is well understood, and we may safely say that he is one of the most warmly loved and admired of Armour's many friends.





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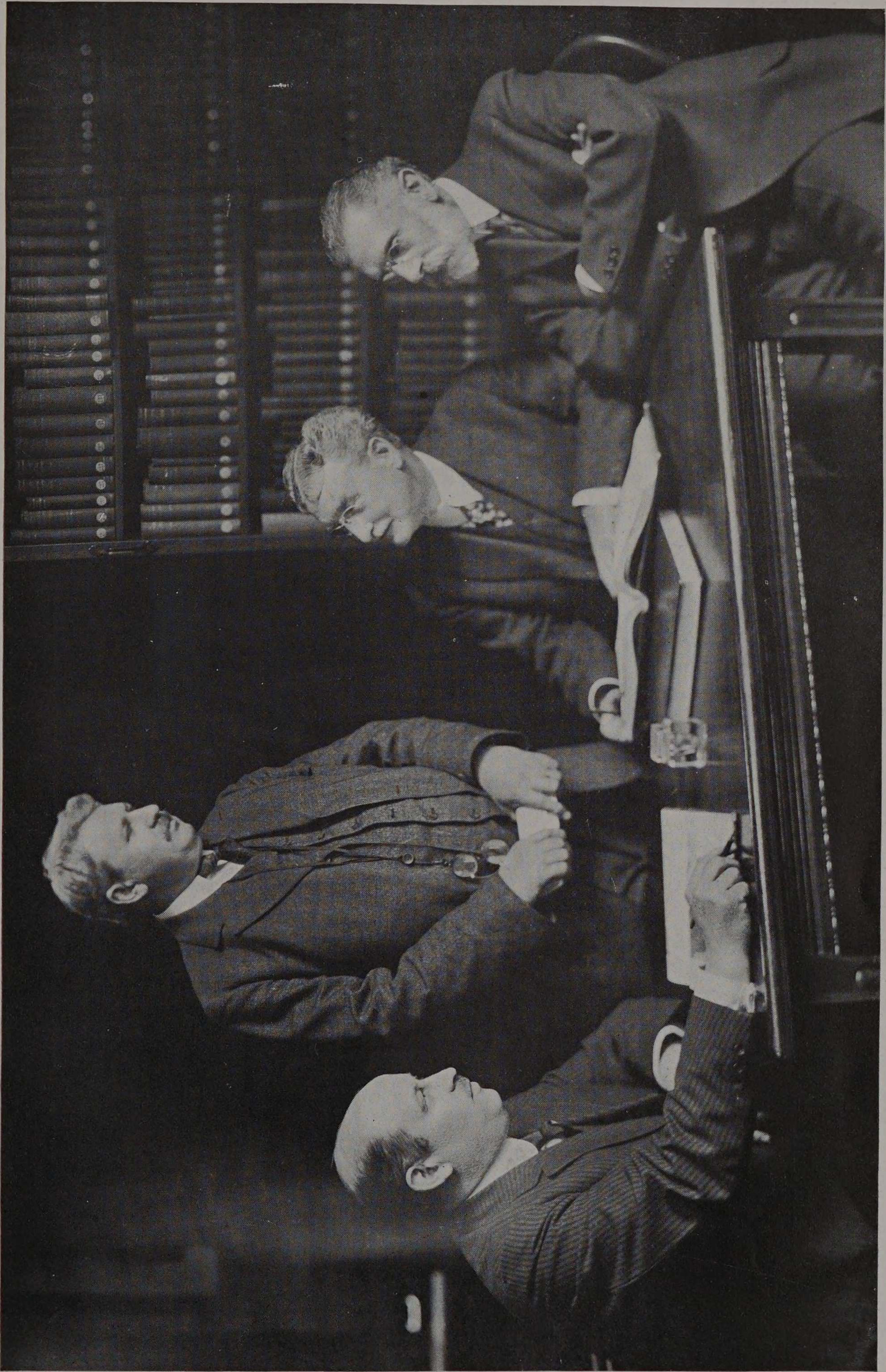
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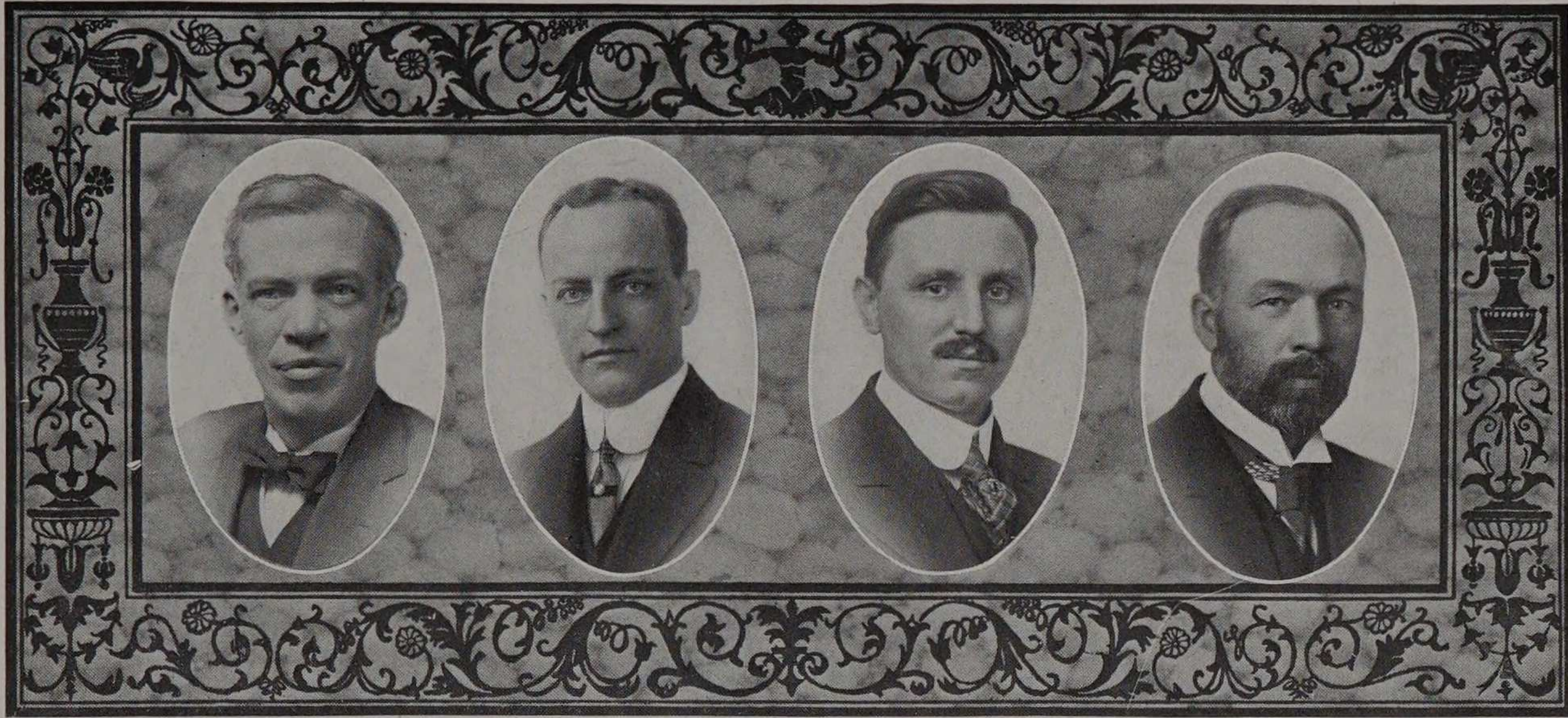


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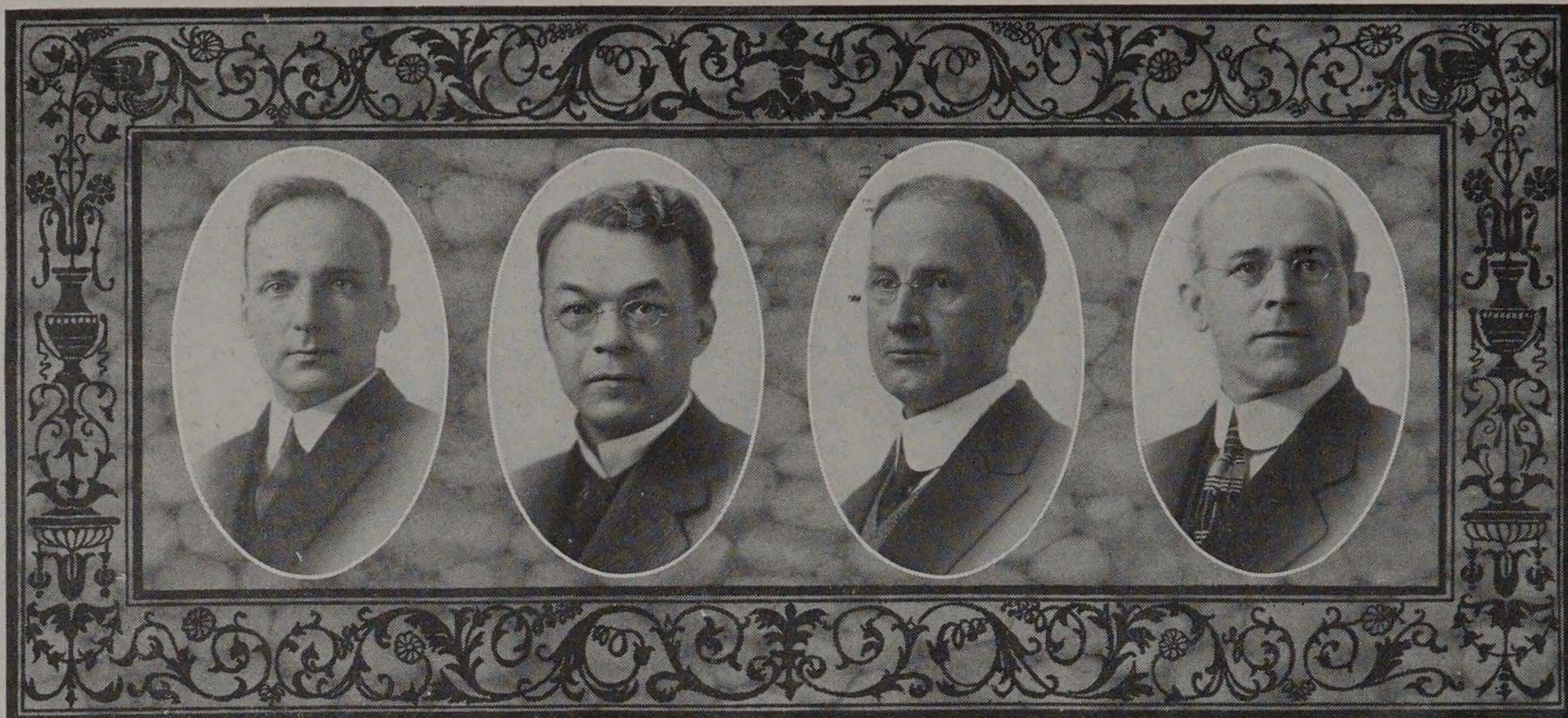
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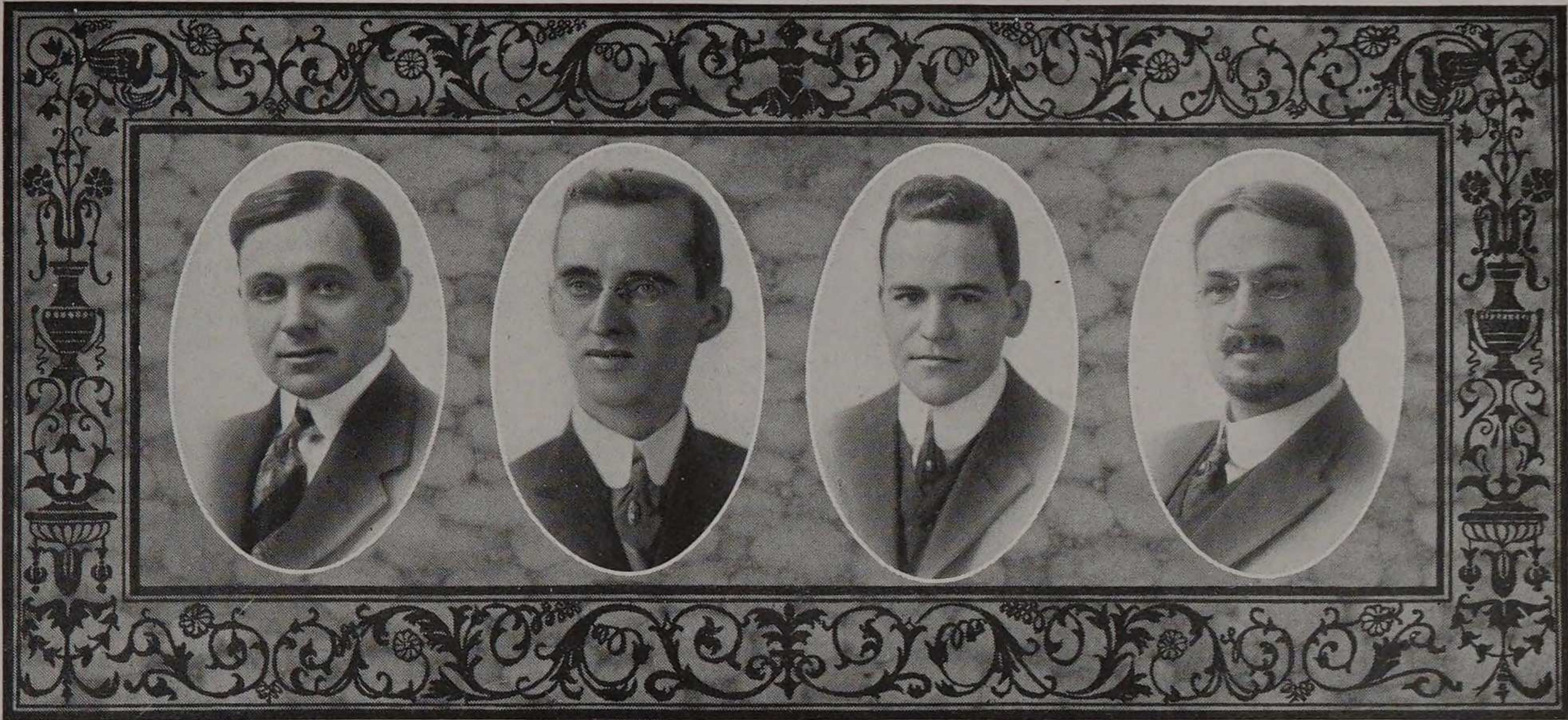
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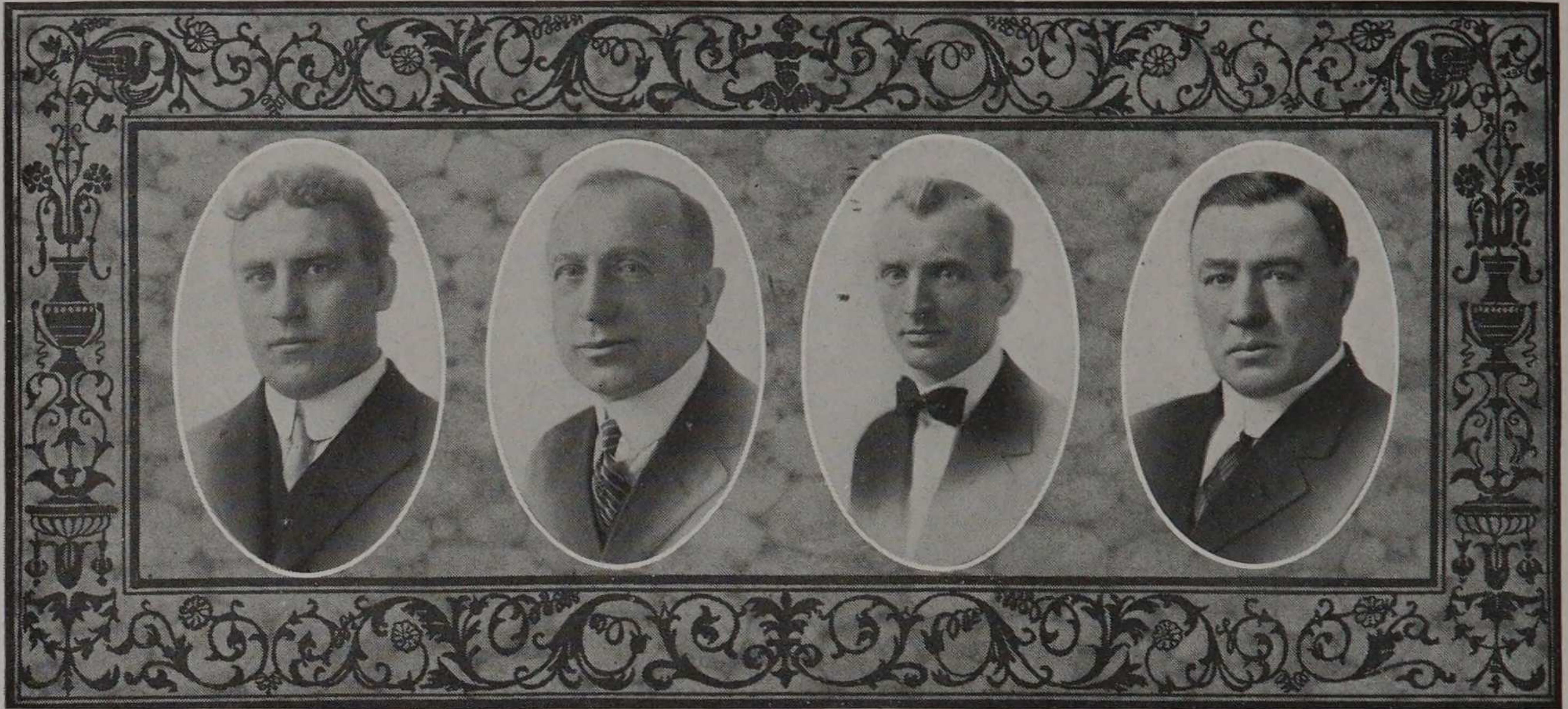
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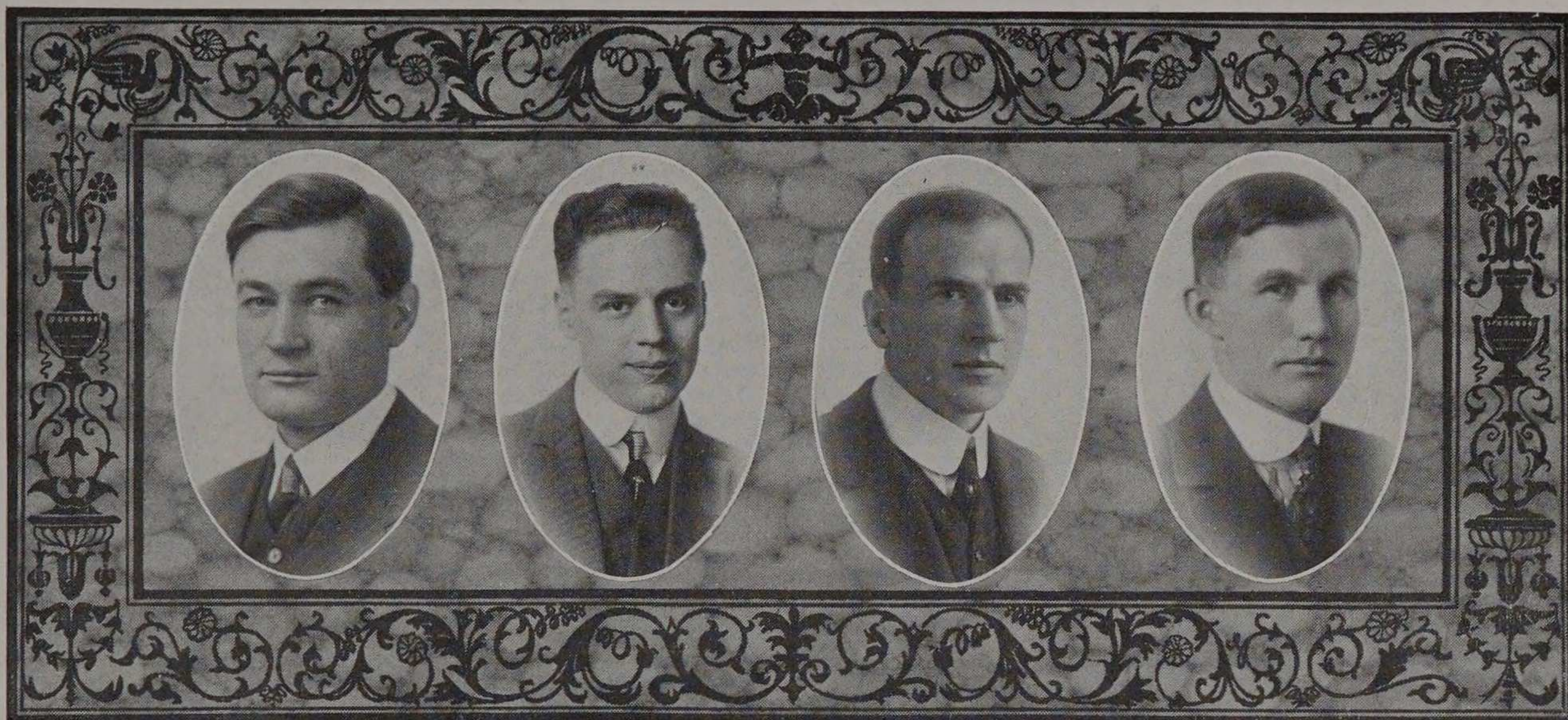
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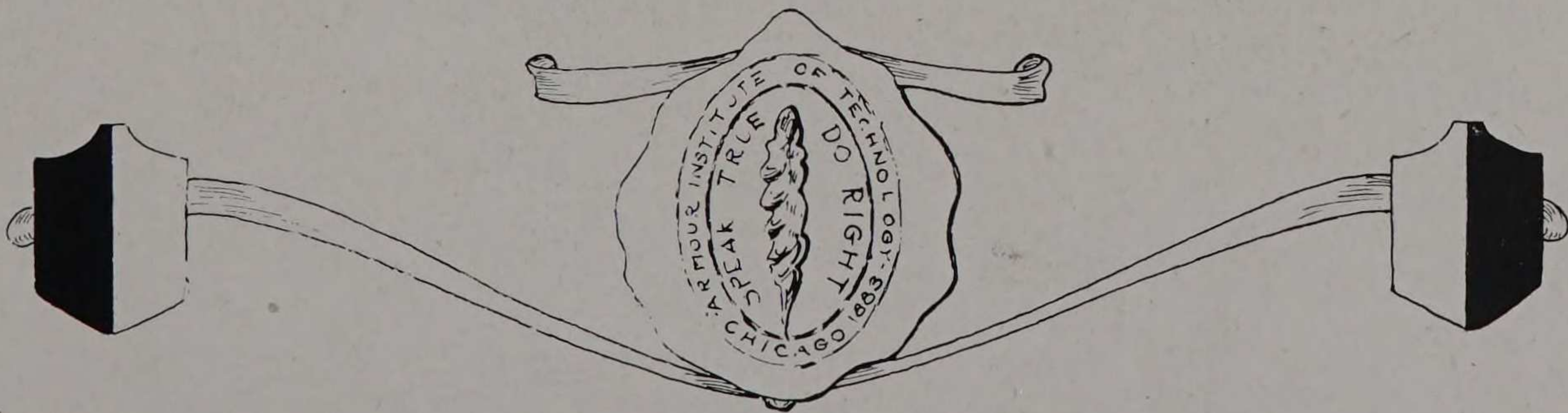
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BION J. ARNOLD, Consulting Engineer, Chicago, Ill.  
H. F. McCORMICK, Chicago, Ill.

The *Chicago Alumni Association* of Armour Institute of Technology holds two annual meetings in Chicago, one in December and one in June. It includes in its membership all graduates of the College of Engineering. The President and the Deans are honorary members of the Association. Associate membership is open to non-graduates having pursued a course during two years as members of classes that have graduated.





ARMOUR ALUMNI





MAIN STAIRWAY





WOOD SHOP









CLASSES





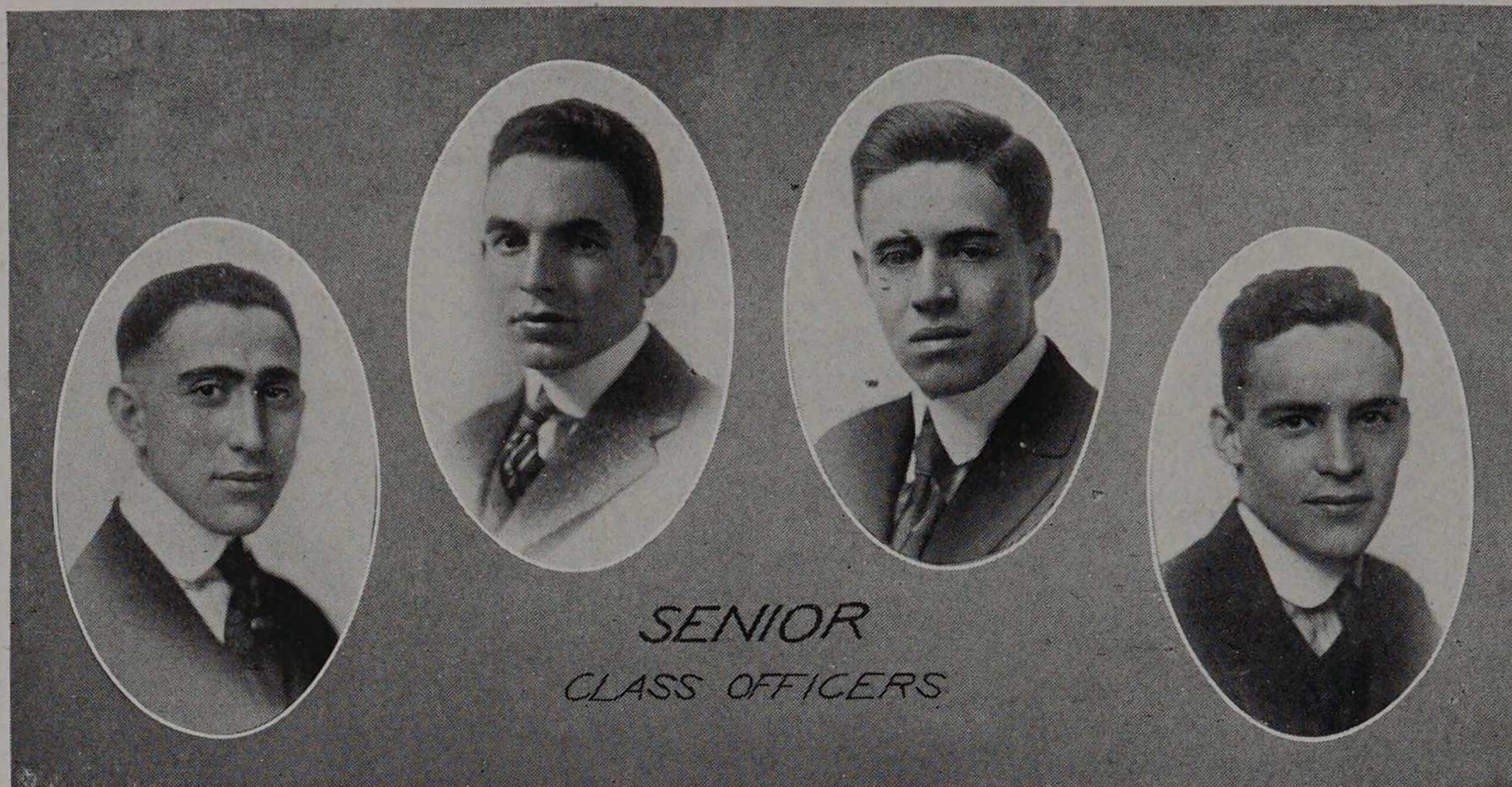


# SENIOR





THE CLASSES



CORMAN

KING

STARKEL

FITZE

LAWRENCE A. KING

An Economy Analysis of Automobile Engines by a New Method.

Born October 30, 1894, Omaha, Nebraska.

Calumet High School, 1913.

Tau Beta Pi; A.S.M.E.; "A" Club; Mandolin Club; 1915-16-17; Basketball 1913-14; Baseball 1915-16; Track 1914; Class baseball 1913-14-15; Class basketball 1913-14-15; Senior Class President; President "A" Club; Editor, The Cycle 1916; Editor The Armour Engineer 1917; Representative Board Athletic Control 1915-16.

King has been the most active man in the class. Not only his versatility, but the tactful and good natured way in which he does things has brought him the respect and admiration of everyone at Armour. Add to this his excellent work as a student, and you have a record anyone may envy. King is truly one of the "Regular Armour Men".

LENARD E. STARKEL

Design and Cost of a Highway Reconstruction.

Born May 17, 1895, at Chicago, Illinois.

Lane Tech, June 27, 1913.

Civil Engineering.

Phi Kappa Sigma; Tau Beta Pi; Sphinx; A.C.E.S.; Social Committee, '14, '15, '16, '17; Business Manager 1916 Cycle; Business Manager, Vol. 9—The Armour Engineer; Picture Committee.

You can't help liking Len. He is a hustler, and as a Business Manager he has contributed largely to the glory of '17. You will hear more of him later, therefore we won't say any more now.

ABRAHAM CORMAN

Closed Nozzle Tests on a 40 gallon Chemical Extinguisher.

Born 1894 at Chicago, Ill.

Austin H. S. 1913.

Sec., A.F.P.E.S.; '15-'16; Pres., A.F.P.E.S. '16-'17; Sec. Class '16-'17; Associate Editor Armour Engineer, '16-'17.

Class Basketball, '15, '16, '17; Beta Phi; Tau Beta Pi; A.F.P.E.S.; Sphinx, Y.M.C.A.

"Abe" is the "Dark horse" of the Senior class. He is one in whom you can put your fullest confidence and know that it will be fulfilled.

GEORGE M. FRITZE

An Economy Analysis of Automobile Engines by a New Method.

Born May 23, 1894, at Chicago, Ill.

Englewood High School, 1913.

Mechanical Engineering.

Tau Beta Pi; Sigma Kappa Delta, A.S.M.E.; Glee Club; Mandolin Club; School Quartette; Jaz Band; Class Treas.; Pres. A.S.M.E.; Vice Pres. Rooters Ass'n.

"Savage's" ability to make Tau Beta Pi, work nights, and keep sunny side up with his school activities, promises much for his future. As one of the charter members of the Jaz Band at Armour (drums), and as a soloist on the mouth organ, the "Swede" has had some education.



## The Class of 1917

It seems that it was but yesterday that we first found out to "Remove Hats" on entering the Institute. A great day that was—the day of the formation of our class, and quite a thrill it was for each of us, looking for one familiar face among a bunch of strange ones.

These faces did not remain strange to each other for a very long time. By the Friday following, the night of the Freshman Handshake, the class of 1917 was fairly well organized. We had several impromptu yells on deck that evening, which were welcomed by the upper classmen and gloomed upon by our enemies, the Sophs.

To be a bit versatile and different from the rest, we decided to have white jersey sweater coats, with our colors, blue and gold, on the arm bands, as insignia of our organization. Previous to that time white hats had been in order and our radical movement caused much comment. Since then we have all matured somewhat and the sweaters are rather small for the individuals, but the spirit of the affair still exists.

Needless to say we were all primed for the night of November 7, 1913—the Freshman Smoker. Several days previous to that time, the simple emblem '17 seemed to be written on every available fence and sidewalk around 33rd. and the "tracks." And when the time came, we marched to the Midway and walloped the Sophs. in a grand and glorious rush. But now to shed a tear, as '18 did us up brown the year following. As for newspaper publicity, it certainly was not lacking the next morning.

We ended up our freshman career by giving a most beautiful dance at the Colonial Club. This dance was the last one of the "money no object" dances to be given by an Armour class. The programs, we will say, were never surpassed at Armour and the mortgage that was held on the same for several years following, is now entirely paid up.

During the Sophomore year, we contributed generally to school activities, but when it came to making a big noise, we were entirely absent. The reason was The Physics Course which is taken for the "first" time during the Second year.

Ah! The Junior year—When we thought of that we almost shivered for there were such dire responsibilities ahead of us. These were work, Junior Week and the Cycle. Mighty near had to dig down in our jeans to get that good book off of our hands, but it came through with but a few scratches. Surely no one can ever forget our little old last year's play "Tech Days". Remember that was the time Stew Miller attempted to sing and the stage hand tried to "pick up" our girl 'Ole Andren'. Then came our Circus Day, with it's German U boat of Bobbie Burns' along with a dozen or so of Igorotes. Yes and we had a Junior Prom at the La Salle that was mentioned in the society columns of the Day Book, a prominent newspaper in Chicago.

And at last we struck the home stretch, the times when Freshmen go out of their way to say Hello to you. They tried hard to make lawyers out of our dear old classmates, but ended up by giving us all "A's" and bidding us a fond farewell.

The old class is going to be materially broken up very soon, but may its spirit ever prevail; and may we get together in the years that come and talk of the days when we got together every day; of the days when 1917 was a watchword.



## The Senior's Swan Song

The day draws near when, our classes and  
Our duties done, shall leave these halls and classrooms  
Now with memories filled, to venture forth.  
And carve our names on Fame's bright page. Four years  
We've spent beneath thy roof, dear school of ours,  
And many lessons have we learned from thee.  
Our path has not been easy; we have learned  
That hard work only is the key to true  
Success. We came here Freshmen, how remote  
The days we juggled x and y with dazed  
Brain, beneath the lash of Campbell's quips  
And wanton wiles at our expense.  
Successfully we've striven year on year;  
Physics, with all its kindred woes, is now  
A page of dim and hoary history;  
We've mastered it and passed to greater things.  
Ah! How wise we are, and soon  
The World shall realize our greatness.

We're anxious now to leave, but when the years  
Have flown, and Time in her relentless spite  
Has branded us with all her senile scars.  
Our thoughts mayhap will wander back to thee,  
O Alma Mater, and the hopes we'd built,  
In all our childish ardor, here within  
Thy walls, blasted and thwarted by Necessity,  
Or aided by Sweet Fortune's smiles; to the  
Friends you gave us, who have meant so much  
To us through long affiliation. Will  
We wish to be back beneath thy learned roof?  
Nay, that were puerile; but in leaving thee,  
We won't let foolish glee at parting, hide  
Our truer feelings. Dear old School, good-bye.

HARVEY, '17



THE CLASSES

**B. S. in E. E.**

**JOEL E. ANDERSON**

Design of a Sine-Wave Alternator.  
Born Jan. 11, 1892, Joliet, Ill.  
Joliet High School, June 1910.  
Electrical; A.I.E.E., Eta Kappa Nu, Y.M.C.A.

Anderson is one of those men who have worked their way through school. After graduating from high school, he worked three years before entering Armour; and since then has been working while attending school. Perseverance is a big factor in the game of life, and Anderson possesses this asset.

**ABRAHAM S. BENJAMIN**

"Determination of Current Ratio and Phase Angle of Current Transformers."

Born Jan. 2, 1894, at Chicago, Ill.  
Lane Technical High School, June 1913.  
Electrical Engineering.

American Institute of Electrical Engineers. Member of Junior Play Cast.

"Bennie" is the one who keeps the word of the electricals up to standard. His reports are always on time and his drawings are finished before the rest of the fellows get started. We know that this asset will get him up in the world.

**JOHN L. BURDA (Chemical)**

"Preparation of Salol from Phenol."  
Born January 30, 1896, at Chicago, Ill.  
St. Stanislaus College, 1913.  
Politechnik; A.Ch.E.S.; Y.M.C.A.

Although Burda has not partaken actively in sports, he has always given it his heartiest support, and has shown the true Armour spirit by his loyalty, friendship, and support of all school activities.

**JAMES W. COHN**

Comparative Test of Modern Incandescent Lamps with Reflectors, by Diffusion Methods.

Born June 15, 1890, at Chicago, Illinois.  
Medill High School, Chicago, '09.  
Beta Phi; A.I.E.E.; Y.M.C.A.

James is determined to throw some light on the subject of illumination, and will doubtless succeed, as a matter of habit. A bad automobile accident last summer failed to stop his scholastic progress.—No, he was not joy riding, but demonstrating the car.

**RALPH HILLIARD EARLE**

"The Morkrum System of Printing Telegraphy."

Born December 18, 1894, at Newton, Kansas.  
Newton High School 1913.  
Sigma Kappa Delta; Tau Beta Pi; Eta Kappa Nu;  
Class secretary, Sophomore Year; Social Committee,  
Junior Year; Program Committee, Senior Year;  
Chairman of Armour Institute Branch A.I.E.E.

One of the fellows that support all Armour affairs and keep up their studies too. His record as a student, his ability to make friends, and his activities and offices held in class and other organizations speak well for his future.





THE CLASSES

B. S. in E. E.

LOUIS E. GIVEN

Test of Delco Lighting Plant.  
Born February 23, 1896 at Joliet, Ill.  
Joliet High School 1912.  
A.I.E.E.; Junior Play.

Louis shows his pep in the fact that he comes in from Joliet every day and usually is on time. He is quick to grasp the subject and is always willing to help another and take a good joke on himself.

CHARLES F. HOLMES

The design and Construction of an Induction Motor.  
Born April 3, 1893, at Chicago Illinois.  
Lake View High School.

"Sherlock" lives up to his name alright. He's the sort of chap who doesn't say much, but he's always on the job.

ALEXANDER C. KUPSHAS

Power Consumption of Machine Tools.  
Born, August 17, 1896; Chicago Ill.  
Wendell Phillips High School, 1913.  
A.I.E.E.

Won annual fall tennis tournament, 1916.

"Kup" is one of the speed boys, as he finished Armour in three and one-half years. This achievement is appreciated when one considers the amount of work one has to do to finish the course in 4 years. He also is a tennis shark, having won the championship in his Senior year. He is cheerful and obliging and in all he makes a good fellow.

EDWARD DANIEL PORGES

Test of a Delco Power Plant.  
Born Aug. 23, 1895, at Chicago, Ill.  
Englewood High School, Feb., 1913.

Tau Beta Phi; Epsilon Kappa Nu; Mandolin club; "Jass" band; A.I.E.E.; Freshman track; Conference Tennis 1913-15.

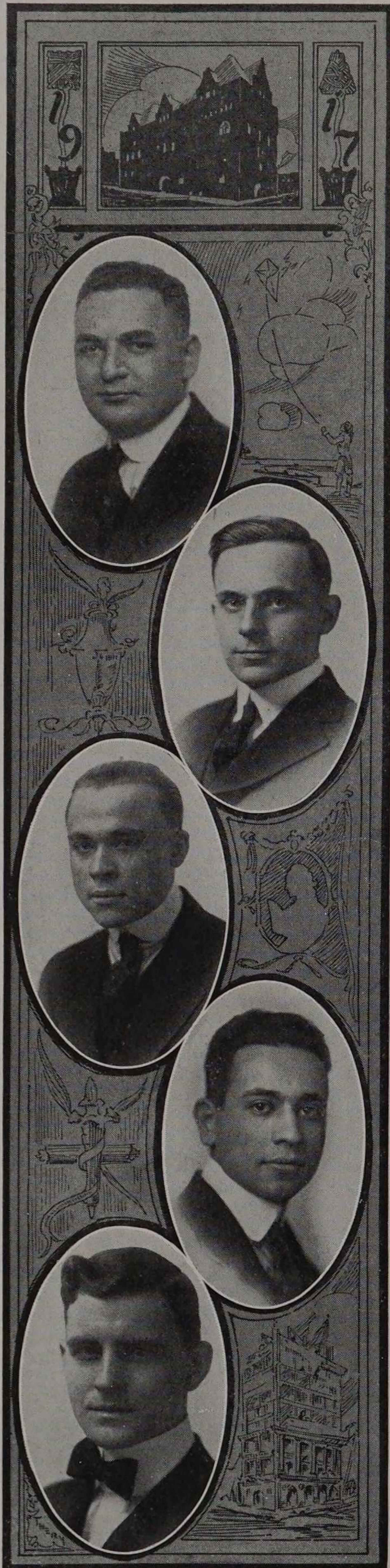
Although his job as fiddler in the Jass band was enough to tax all the energies of any normal person, Ed is one of the boys whose school activities have had no ill effect on his regular work.

R. V. PROCHASKA

Thermostatic Control of Electrical Heating Appliances.  
Born June 8, 1894 at Dodge, Nebraska.  
Dodge High School, 1913.

A.I.E.E.; Y.M.C.A.

Besides carrying his regular studies, our energetic agent spends his mornings selling handbooks, magazines, etc., to the students; his afternoons helping the president of the L, and his evenings assisting the faculty in the laboratory. We wonder what he does with his spare time.





THE CLASSES

B. S. in E. E.

LEO H. ROSENBERG

Power Consumption of Machine Tools.  
 Born May 29, 1896, at Montgomery, Mo.  
 Englewood High School, 1913.  
 A.I.E.E.; A.A.E., Membership Committee; Tennis 1915.  
 "Rosie" is the Juvenile Wonder who is finishing his course before being allowed to vote. His origin can be traced back to Missouri, which probably accounts for the fact that he must be "convinced". He is an amiable combination of Humorist and Engineer, and he threatens to revolutionize industry with the introduction of "efficiency methods."

HAROLD E. SMITH

Determination of Current Ratio and Phase Angle of Current Transformers.  
 Born May 21, 1896, at Chicago, Ill.  
 Carl Schurz High School.  
 A.I.E.E.  
 Smithy is one of those congenial fellows with a sense of humor that is all his own. His working qualities were recognized as soon as he came among us. Even though a hard worker he always had a little time for his fellows. The "bigness" of his heart makes up for the "littleness" of his stature.

CLINTON EVERETT STRYKER

Test of a commutating rectifier.  
 Born February 27, 1897, at Chicago, Ill.  
 Lane Tech. Jan. 1914.  
 Electrical Engineering.  
 Omega Lambda; Eta Kappa Nu; A.I.E.E.  
 Clinton went through Lane and during the last year there did quite a bit of electrical work. He graduated from Lane Junior College as the only one in the class. Came to Armour in midyear and saw that the college course would take either four and a half or three and a half years, so decided on latter and went to summer school and doubled his program to make it.

M. L. SUMMERFIELD

Experimental Study of an Illuminometer.  
 Born December 21, 1894, at Chicago, Ill.  
 Wendell Phillips High School, Feb. 1913.  
 Electrical Engineering.  
 The Ohr; A.I.E.E.; Mandolin Club.  
 Myron is the perpetual Sergeant-at-arms of the class of '17, and it was largely due to him that our class rushes were won. He can also strangle any kind of a musical instrument from a mouth organ to a ukelele. It was these valuable musical talents of his which were responsible for his election as chief utility man of the Mandolin Club.

WILLIAM THOMAS WATT

"Test of a Commutating Rectifier."  
 Born August 3, 1896, at Norwood Park, Ill.  
 Lane Tech, 1913.  
 Sigma Kappa Delta; Eta Kappa Nu; "A" club; Treasurer A.I.E.E. '16-'17; Tech Basketball '15-'16, & '16-'17; Inter-class Baseball, Basketball and Track '16, '17.  
 "Bill" took his first two years at Lane, however, he finally decided to attend a "regular" school, and here he is. In spite of his late start, he has established an enviable reputation both as a basket ball "star" and an all round good fellow.





THE CLASSES



**B. S. in E. E.**

ARNOLD ZIMMERMAN

Experimental Study of an Illuminometer.  
Born, Oct. 2, 1895; Denver, Colo.  
Wendell Phillips High School, 1913.  
A.I.E.E.

"Zimm" deserves much credit for the way he has successfully accomplished his work at Armour. Nothing too big or too hard for his resourceful mind.

**B. S. in M. E.**

OTTO W. ARMSPACH

Study of an Air Washer.  
Born January 4, 1894, at Dowagiac, Mich.  
Dowagiac High School, 1913.  
Mechanical Engineering.  
A.S.M.E.

Drummer in Circus Day Band.

"Otto" is the only rival of Dr. Keller. He belongs to that class of notables known as the "Workers of the Mystic Art." We are not surprised that he knows his lessons without studying. He is very congenial and obliging and the Senior Mechanicals feel honored to have him as a member of their class. Good luck to you, "Otto."

WILLIAM ERNST BAUER, JR.

Thermal Conductivity.  
Born March 31, 1895, at Chicago, Illinois.  
Luther Institute, June 1913.  
A.S.M.E.; A.I.T. Discussion Club.

"Give me the fundamentals, every time," says Bauer. He is fond of demonstrating the most difficult theoretical problems of Thermodynamics. Conscientious worker with a good future in view.

J. PIERRE BECHAUD

Measurement of water flows by salinity and coloration methods.

Born June 9, 1895, at Fond du Lac, Wisconsin.  
Fond du Lac High School 1913.  
Mechanical Engineering.  
Phi Kappa Sigma, A.S.M.E.

Jean Pierre came to Armour from Fond-du-Lac. From the above names it would seem that he was French, but Bechaud is German. Whenever we meet Pinky he is always telling how much better the Mechanical course is than any other. He is a diligent and studious fellow. We shall soon hear of him as the Chief Engineer of some automobile company.

EARLE C. COOPER

Automatic Temperature Control in Buildings.  
Born July 17, 1894, at Chicago, Ill.  
John Marshall High School, 1914.  
Mechanical Engineering.  
A.S.M.E.; Class Basket Ball.

Any man who finishes his course at Armour in three years certainly deserves the respect of his classmates, and this is the way we feel toward Cooper. He, however in his thirst after knowledge, did not give up his athletics but did what he could whenever he could. With the combination of these qualities we predict a bright future for him.



THE CLASSES

**B. S. in M. E.**

**HARRY MILEY GOODMAN**

Conversion Factors For Viscosimeters.  
 Born December 10, 1893 at Chicago, Illinois.  
 University High School, Chicago, '13;  
 A.S.M.E.; Armour Discussion Club; Y.M.C.A. (Chair-  
 man Social Service Committee '13; Cycle Staff '16.  
 Harry has the ability of getting the most work done  
 with the least apparent effort of anyone in the Senior  
 Mechanical Class.

**EDWARD WILFRED HAINES**

Study of an Air Washer.  
 Born 1895, at Aylmer, Ont.  
 Aylmer High School, 1913.  
 Omega Lambda, A.S.M.E., Secretary A.S.M.E.

**HAROLD LUTTGE**

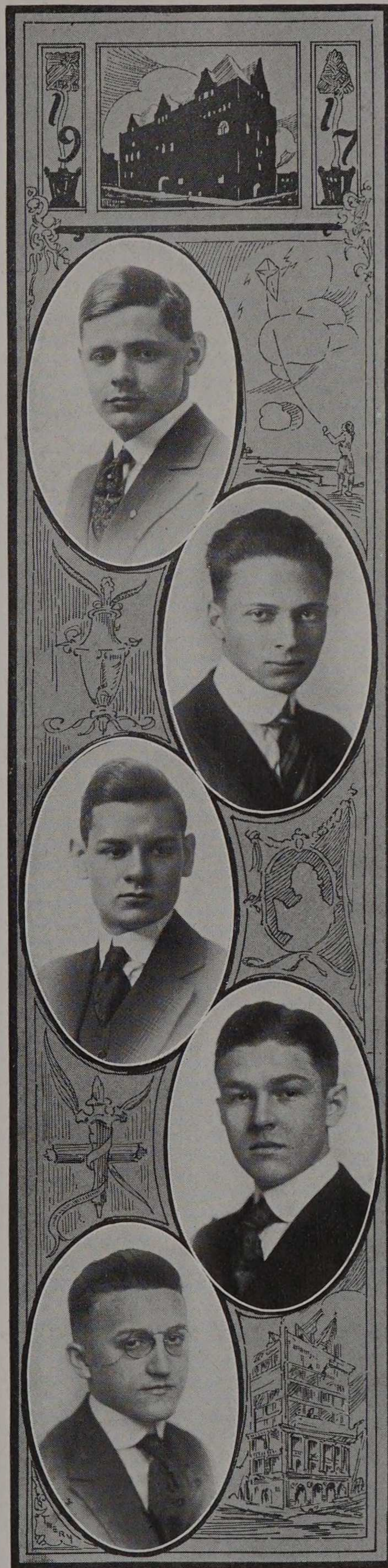
Determination of Conversion Factors of Viscosimeters.  
 Executive Secretary of the Y.M.C.A. 1915.  
 Born May 6, 1895, at Chicago, Ill.  
 Wendell Phillips High School, Chicago.  
 Mechanical Engineering.  
 A.S.M.E., Y.M.C.A., A.I.T.D.C., Rooter's Association.  
 Luttge is one of our well known men, having shown  
 quite a knack at leadership and organization as  
 shown by his work in the Y.M.C.A. His willingness  
 to help and his hearty good nature have made him  
 a favorite among the boys at Armour.

**RALPH L. MORSE**

Measurement of Water Flow in Pipes by Salinity and  
 Coloration Methods.  
 Born April 14, 1896, at Chicago, Ill.  
 Bowen High School, 1913.  
 Mechanical Engineering.  
 Delta Tau Delta, A.S.M.E. 1916 Cycle Staff, Cap and  
 Gown Committee.  
 The ability and activity of "Shorty" is not directly  
 measured by his altitude, nay! nay! Rather as the  
 altitude to the fifth power. And then some of his  
 humorous cartoons are familiar to all of us, and if  
 engineering does not appeal to him we'll tip off J.  
 McCutcheon to nail down his w.k. honors, stem and  
 stern, for here's a "rival" b'gum.

**ABE J. PLOCINSKY**

"The Design-Study of a 10 H. P. High Duty Stationary  
 Gas Engine."  
 Born April 15, 1896, at Chicago, Illinois.  
 Wm. McKinley High School 1913.  
 A.S.M.E.; A.I.T. Discussion Club; wrestling; Chairman  
 Freshman Smoker Committee.  
 Although Abe is one of our youngest classmates, he is  
 one of the best students at Armour. With his great  
 capacity for doing work, with his good character and  
 with his ability to make friends, Abe is bound to be  
 successful.





## THE CLASSES

### B. S. in M. E.

#### CHARLES ROSS POMEROY

The Design study of a ten horsepower, High duty Stationary Gas Engine.

Born May 3, 1894, at Cleveland, Ohio.

Toledo (Ohio) Central High School, 1912.

Mechanical Engineering.

Sigma Kappa Delta; Tau Beta Pi; A.S.M.E.; Y.M.C.A.; Class basketball, 1913, 1914, 1915; Vice President A.S.M.E.

Charles stayed out of school a year before entering college, working in a machine shop. He lived in Chicago the first two years of school while at Armour. He worked last summer for the Doble steam car people. Very anxious to get a good job back in Toledo. Why?

#### BERTRAM ROBECHER

The Physical Properties and Tests of Lubricating Oils.

Born on September 5, 1895, at Cleveland, Ohio.

Wendell Phillips High School, June, 1913.

The Ohr; A.S.M.E.; Mandolin Club.

Bert appeared as an expert on oils during the auto show. His ability and ambition has won for him the admiration of his fellow classmates. He is a loyal supporter of Armour affairs and a "whang" on the ukelele.

#### N. H. STEINDLER

Born May 10, 1895, in New York.

Wendell Phillips High School, 1913.

Mechanical Engineering.

Physical Properties and Tests of Lubricating Oils.

The Ohr; A.S.M.E.

"Nate" always brought joy and laughter to the Senior Mechanicals. He is a good worker and in spite of his hard work always looks so "elegant." His disposition and personality will surely bring him success.

#### SAMUEL W. THAL

Application and Development of Water Dynamometer to Testing of Variable Speed Engines.

Born April 24, 1892, at Hurley, Wisconsin.

West Division High School of Milwaukee, Wisconsin.

A.S.M.E. Won 135 lb. class championship in Wrestling at A.I.T. Took third place in 220 yd. and 440 yd. dashes in interclass track meet, October 3, 1913.

Thal is one of those fellows that has always kept the class in good humor. This quality combined with his great capacity for accurate and quick work is sure to land him a good place in the business world. Here's to you Sam old boy.

#### H. S. WHITE

An Economic Analysis of Automobile Engines by a New Method.

Born July 27, 1893, at Denver, Colorado.

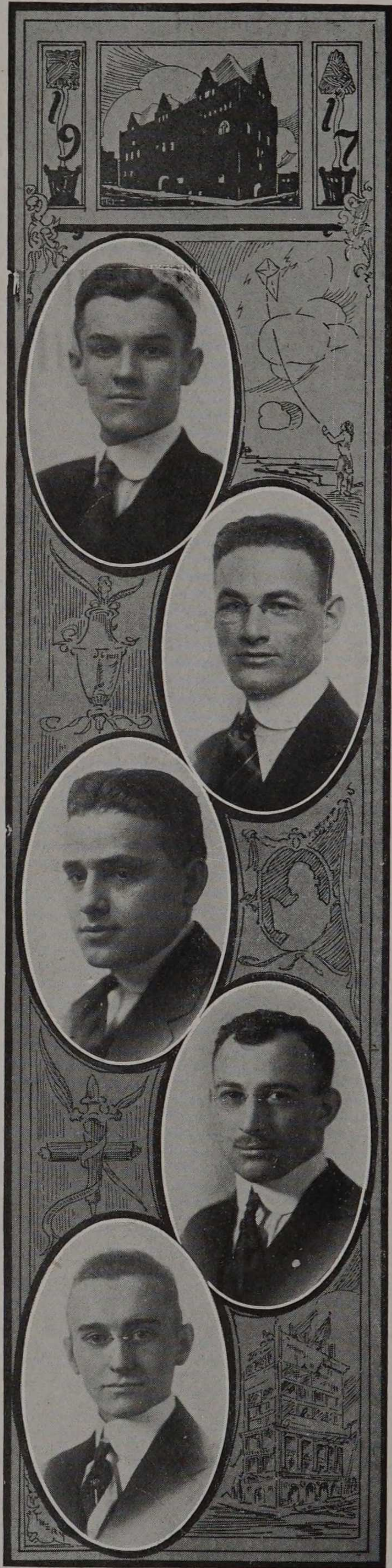
East Denver High School, 1912.

Mechanical Engineering.

Sigma Chi; Tau Beta Pi; A.S.M.E.; A.I.T.; Discussion Club.

Treasurer A.S.M.E. 1917, Junior Play.

"Whitey" is the married man of the Senior Mechanical class. He is a hard and conscientious worker, who can always be relied upon for the finest detail.





THE CLASSES

B. S. in C. E.

OLOF E. ANDREN

The Design and Cost of a Highway Reconstruction.  
Born March 20, 1894, at Chicago, Ill.  
J. S. Morton High School.  
Civil Engineering.

Known to us all as either Andy or Ole. He is possessed with that high degree of politeness that so many of us lack; and this, along with his quick brain and good sportmanship, will win a high place for him.

WILLIAM HOY CHUN

Design of the Sanitary Sewerage System & Disposal Plant for the Village of Crete, Illinois.  
Born Feb. 20, 1893, at Honolulu, Hawaii.  
Cogswell Polytechnical College, San Francisco, 1913.  
Hydraulic and Sanitary Engineering.  
Armour Civil Engineering Society.

Chun holds the record for signing absent blanks. The reason for exhausting the supply of absence blanks at one time was due to his untiring activity as secretary of the Chinese Students Alliance of America. Nevertheless Chun's congeniality coupled with a laugh at all times has endeared him to the Civils, who wish him success when he returns to Honolulu.

LOUIS I. GOLDBERG

Design of a 30,000 horse power Hydro Electric Development upon the Genesee railroad at Portageville N.Y.  
Born, June 29, 1896, Dubuque, Iowa.  
Calumet high school, 1913.  
Hydro-Electric.  
A.C.E.S.; A.I.E.E.

Tennis, Interclass indoor '15 and '16; Junior Play.  
"Goldie" came from the Calumet high school to make his debut in the Civil department. At the summer camp of '14, he was one of the mainstays of the base ball team in the bush league battles with the Badgers. He played interclass base-ball '15 and '16, and also in all the tennis tournaments. Lou has given his services to the Armour band whenever it was in action. Although he portrayed the part of a pessimist in the Junior play, he is about as optimistic as they come.

JAMES D. HARVEY, JR.

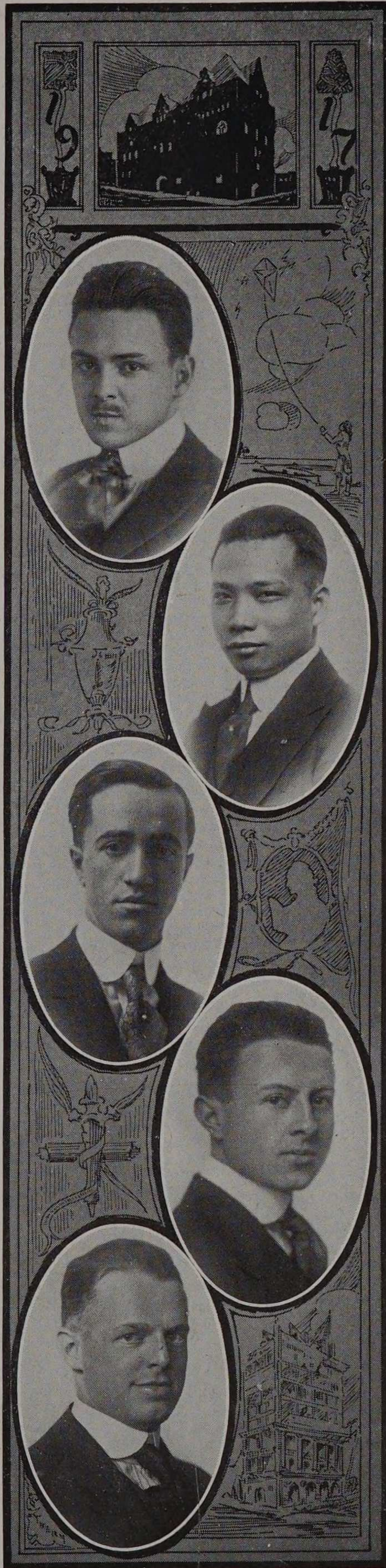
Design and Cost of a Highway Reconstruction.  
Born, August 19, 1894, Chicago, Ill.  
Evanston High-School, 1912.  
Sigma Kappa Delta; Eta Kappa Nu; A.I.E.E.; A.C.E.S.  
Glee Club 1914-1917; Mandolin Club 1916-1917;  
Junior Play 1916.

"Jim" as we know him, who at Armour hasn't met him? Full of dry humor, and with his dimples and rosy cheeks a regular killer with the women. However, in spite of these qualities, Jim is a man with good "horse sense".

HAROLD A. KLEINMAN

Design of a 15,000 H.P. Hydro-Electric Development on East Canada Creek, near East Creek, N.Y.  
Born June 16, 1894, at Chicago, Ill.  
Bowen High School, 1912.  
Sigma Nu; Eta Kappa Nu; Tau Beta Pi; Vice-President Y.M.C.A., 1916; Secretary A.I.E.E. '16-'17; Junior Play '16.

He liked to spend his evenings with the ladies but was never known to come to school unprepared in his work. "Kleiny" is an A-Q scholar and a real friend.





THE CLASSES

B. S. in C. E.

STUART N. MILLER

Power Consumption Test of a Bascule Bridge.  
Born August 15, 1895, at Port Huron, Michigan.  
Harrison Technical High School, Chicago, '13.  
A.C.E.S.

Acting Second Marshall Junior Week, '16; Recording Secretary A.C.E.S.; Junior Play Cast; Cheer Leader '15-'16, '16-'17.

More than one 1917 Civil will always remember "Stew" Miller as one of those who made life in the civil drafting room worth living. Besides being a rank optimist he is always willing to help a friend in need, and if "Pep" and personality count for anything he is bound to succeed.

STANLEY W. NEWMAN

Elimination of the Grade Crossing at Downers Grove, Ill.

Born, January 26, 1897, at New York City, N.Y.  
Wendell Phillips.

Representative Board of Control A.C.E.S.

Band '14, '15, '16; Junior Play.

Tiring of the East, "Buck" came to Chicago and finally entered Armour. Even this has not entirely repressed him, for he will receive his B.S. degree before he becomes a voter. Buck can always be depended upon to fill in anywhere, and with his pep and his courage to back his convictions he should become one of Old Armour's successful grads.

OMAR GRANT O'GRADY

Design of a Hollow Dam and Hydro-Electric Plant at French's Mills, New York.

Born February 18, 1894, at Natal, Brazil.

Atheneu Rio-Grandense, 1911.

Sigma Kappa Delta; A.I.E.E.; A.C.E.S.; Y.M.C.A.

"Fatima" came a long way to find a good engineering school. He is a true Armour booster. His happy smile and generous disposition have won him many friends.

ARTHUR AKSEL PEDERSON

Design of a Water Supply System for Park Ridge.

Born October 26, 1892, at Chicago, Ill.

Lewis Institute 1912.

A.C.E.S.

Pederson is one of those fellows not easily reached, but during the four years course, and especially at summer camp, he has earned the friendship of all his fellows. One of the marks of this is the variety of his nicknames. Among his accomplishments is that of staying home (?) and studying (?) Friday evenings. Well Pete, here's to many more happy years for you.

ARMIN L. SCHREIBER

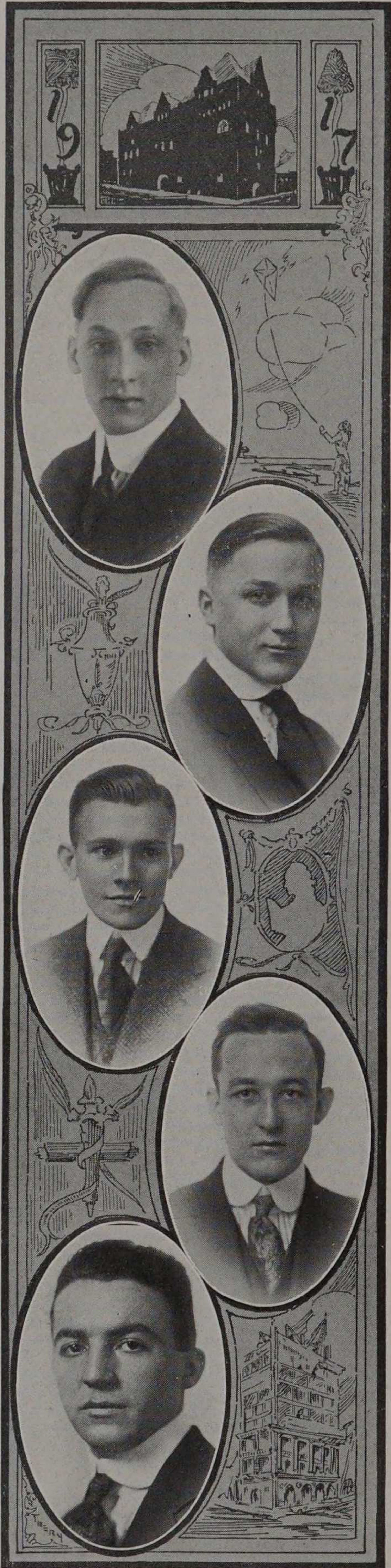
Power Consumption Test of a Bascule Bridge.

Born May 7, 1895, at Chicago, Illinois.

Salem, Oregon High School, 1912.

Sigma Kappa Delta; Tau Beta Pi; "A" Club; A.C.E.S.; Tech Track Team, '13-'14-'15-'16-'17; Class and Fraternity Track Teams. President A.C.E.S. Senior class member of Board of Athletic Control.

Born in Chicago but spent better part of my life in the West.





THE CLASSES

B. S. in C. E.

CARROLL LESTON SHAW

Design of a Water Supply System for Park Ridge, Ill.  
 Born December 7, 1895, at Marinette, Wisconsin.  
 Lane Technical High School, Chicago, Feb. '14.  
 Tau Beta Pi; A.C.E.S.; Track, '16-'17; Treasurer  
 A.C.E.S., '17; Junior Play Cast.

Since coming here from Lane College Shaw has entered into all branches of student affairs. He is a very energetic worker; anything else we could hardly expect from one who has so much enthusiasm in everything he does. Coming back from Summer Camp and still being the most popular of the Civils shows that our former opinions of him were entirely correct.

EARL HIRST SMITH

Design of a 15,000 H.P. Hydro-Electric Development on the East Canada Creek, near East Creek, N.Y.  
 Born August 31, 1894 at Chicago, Illinois.  
 Wendell Phillips High School, Chicago, '13.  
 Phi Kappa Sigma; Eta Kappa Nu; A.I.E.E.; A.S.C.E.;  
 Radic F.X.; Y.M.C.A.; Secretary Rooters Association  
 '16-'17; Social Committee, '15-'16, '16-'17.  
 Social Editor Cycle '16; Junior Play; Chairman  
 Senior Cap & Gown Committee.

After graduating from high school Earl started attending Armour because it was within walking distance from home. He continued to attend because he was too lazy to change. He now graduates because they are glad to get rid of him. We predict a brilliant and prosperous future for "Smithy."

HARRY WILBUR STRIDE

Design for Water Supply System for Park Ridge, Ill.  
 Born November 27, 1891, at Sioux Falls, So. Dakota.  
 Washington High School, Sioux Falls, So. Dak., 1912.  
 A.C.E.S.; Secretary A.C.E.S. '17.  
 Harry's work at Armour has been exceptional, and his faculty for getting the details of an assignment is remarkable. Good luck in Honolulu, Harry.

JOHN W. TIERNEY

Design of Hydro-Electric Power Plant on East Canada Creek, near Gelgesville, N. Y.  
 St. Ignatius Academy.  
 Honor A; Eta Kappa Nu; A.I.E.E.; A.C.E.S.  
 Class track '13, '14, '15, Varsity track '13, '14, '15;  
 Track captain '17; Junior Play, Secy. Honor A Society;  
 Junior Marshal, Cycle staff '14, '16, '17.

If Jack shows as much speed in business as he has on the cinder path, we predict some future for him. As a member of the I.A.C. track squad and also our own, he has made a brilliant record in athletics, and those of us who have worked with him in school have learned to admire his scholarship, determination, and honesty. Here's to you Jack.

HYMEN FISHER WALDER

An Activated Sludge Plant for Huntley, Mont.  
 A.C.E.S.  
 Born Dec. 23, 1896, at Chicago, Ill.  
 Joseph Medill High School, 1912.  
 Chemical Engineering.

Although handicapped in many ways, Walder made good at Armour. If you know him well, you are sure to like him. His favorite pastime is "picking the rag" on the ivories.





THE CLASSES

B. S. in Ch. E.

GERALD T. DOUGHERTY

Manufacture of Acetphenetiden from Phenol.  
Born 1893 at Springfield, Ohio.  
Hyde Park H. S. 1910.  
Sigma Kappa Delta; Radical X; Mandolin and Glee Clubs; A. Ch. E. S.

Gerald, otherwise known as "Pat." has always shown a great deal of interest in music, and at the end of his course at Armour has become so popular that even the "Doc" calls on Pat to play in assemblies. Last summer this Irishman travelled the Great Lakes on an ore boat in order to study the music of the sailors. Besides all the musical talent we find that Gerald is an all around good accommodating fellow who can work hard and still be good natured.

STUART R. EVANS

The Manufacture of Acetphenetiden from Phenol.  
Born June 8, 1893, at Milwaukee, Wisconsin.  
East Division High School, Milwaukee, 1912.  
Omega Lambda; Glee Club '13, '14, '15; A.Ch.E.S.;  
Class baseball '15.  
Class baseball '15; Junior Social Committee; Junior Play; Senior Pin Committee.

"Chick" has shown that it is possible to be a mighty hard worker, and still have time to register good nature. He is one of the fellows we really enjoy knowing, and we hope that graduation won't separate us. He is also a "whizz" before the foot lights in his impersonation of the fair sex.

ARTHUR G. FITZNER

The Preparation of Picric Acid from Chlor-Benzene.  
Born, Nov. 3, 1894; Chicago, Ill.  
Lane Tech. 1913.  
Sigma Kappa Delta; A.Ch.E.S.; Y.M.C.A.; Secretary A.Ch.E.S.

"Fitz" is one of the best liked men of the class. No matter what his troubles are he always has a smile and usually a little German joke to help matters along. He is a good mixer and we can assure him of a good place in the business world.

EDWARD FRIEDMAN

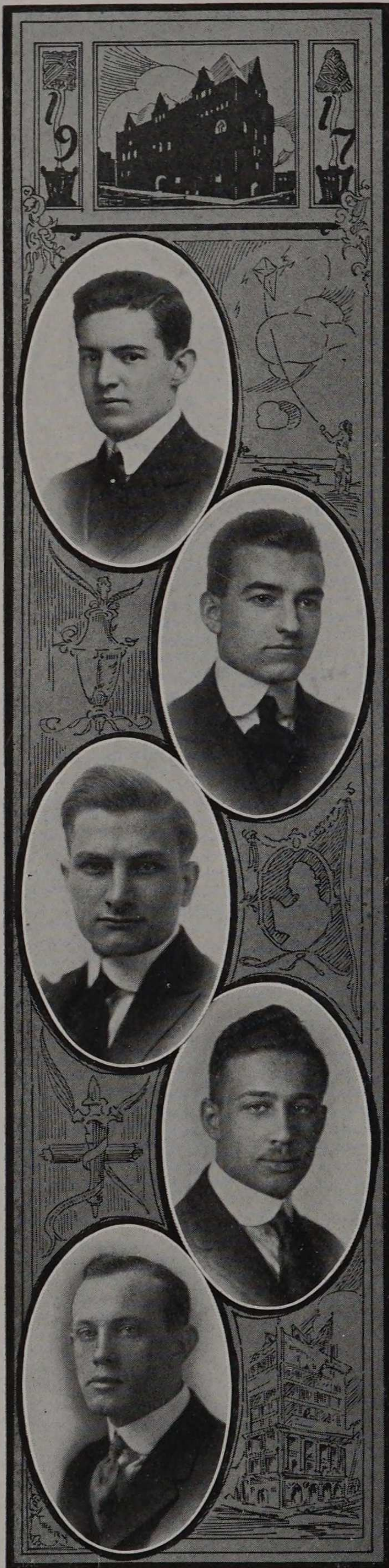
Production of Vegetable Casein.  
Born January 25, 1896, at Chicago, Ill.  
Wendell Phillips H. S.  
The Ohr; A.Ch.E.S.

Ed, better known to the chemicals as "E.X.F.," has shown his ability as a student by being out for six weeks during his senior year and yet graduating among the leaders of his department. He will be remembered by the chemicals especially because of the vegetation which he cultivated on his upper lip during the period of incapacity.

NORMAN J. GOORSKEY

By-Products from Garbage.  
Born Mar. 17, 1896, at Chicago, Illinois.  
Lane Technical High School, 1913.  
Chemical Engineering.

Tau Beta Pi; Armour Chemical Engineering Society; Y.M.C.A.; Interclass Basketball 1916-1917; Vice President Armour Chemical Engineering Society 1915-1916; Cap and Gown Committee 1916-1917.





## THE CLASSES

### B. S. in Ch. E.

#### WILLIAM HANKAN

Production of Vegetable "Casein".  
Born Aug. 26, 1895, at Chicago, Illinois.  
Wendell Phillips High School, 1912.  
A.Ch.E.S.; Ohr; Mandolin Club.

Bill's a regular guy and has a smile for everybody.  
He gained notoriety as an assistant to Alfred Ernest Dean. His good looks are eclipsed by his "fiddling".

#### S. WILMER KENDALL

The Commercial Manufacture of Salicylic Acid.  
Born June 17, 1895 at Quincy, Ill.  
Wendell Phillips High School, 1912.  
American Physical Society; American Chemical Society;  
A.Ch.E.S.

Wilmer is one of our "men of experience". He has done research work at the University of Chicago 1913-15 on "Fractional Distillation of Noble Gases from Liquid Air." During 1916-17 he was Chemical Engineer for the Chicago Drug Association.

#### JACOB H. MARKAM

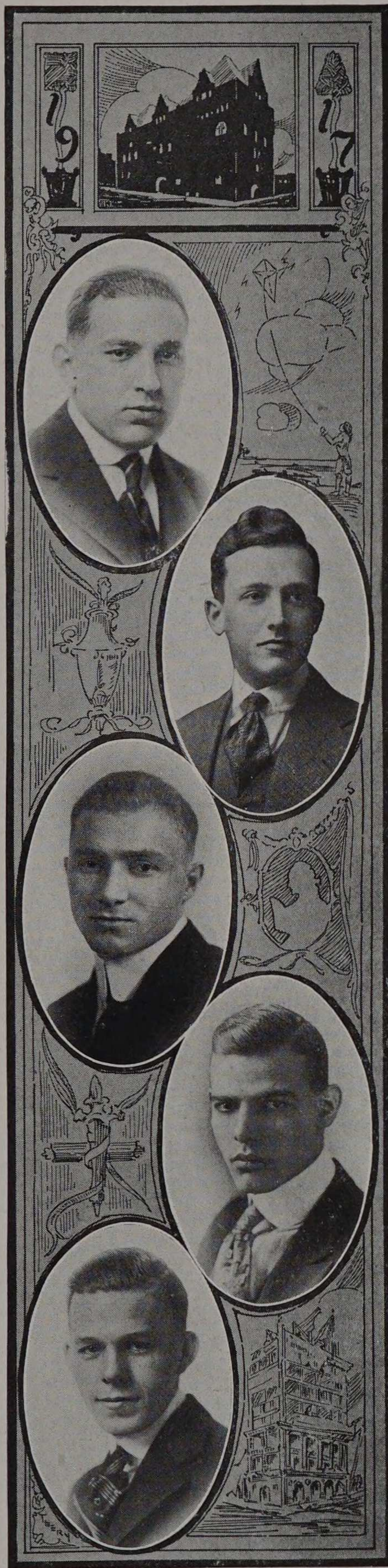
A Study of the Manufacture of Cellulose.  
Born Oct. 23, 1889, in Kiev, Russia.  
Central high school, St. Louis, Mo.  
"Mark," the notorious Russian blonde has been Deans right hand man for two years. He is a wrestler of note, and a regular gallery god at Orchestra Hall every Friday. He will be remembered by Prof. — "Markam here?" No answer. "Mark'em absent".

#### ARCHIBALD J. MEASE

The Recovery of By-Products from Garbage.  
Born February 5, 1896, at Chicago, Ill.  
Lane Technical High School, 1913.  
Chemical Engineering.  
Tau Beta Pi.

#### HARRY B. RICHARDS

Manufacture of Salol from Phenol.  
Born Aug. 15, 1895, at Chicago, Ill.  
Lane Technical School, June 1913.  
Chemical Engineering.  
Y.M.C.A.; Chemical Society; Senior Class Basket Ball.  
Harry is not very active in athletics, but very active as a rooter. Many friends and acquaintances.





THE CLASSES

**B. S. in Ch. E.**

ARNOLD H. SMITH

The Preparation of Metal.

Born, May 29, 1896; Akron, Ohio.

Central High School, Akron, Ohio; 1913.

One year at Buchtel College, Akron, Ohio.

Sigma Kappa Delta; Tau Beta Pi; Y.M.C.A.; A.Ch.E.S.

V. P. Class of 1915-1916; Chairman membership committee Y.M.C.A. 1916; Junior play, Senior Program Committee; President A.Ch.E.S.

"A.H." who is one of the popular men of the class, spent his first year at Buchtel College, (Coed). He soon recognized the advantages of a technical course at Armour and he came to us the following year. His record as a student coupled with his social activity soon commanded the attention of Tau Beta Pi. We predict that his ambitious, energetic, cheerful and friendly nature will promote his success in the business world as it has at Armour.

WALTER WOLLASTON

Preparation of Picric Acid from Chlorbenzol.

Born February 17, 1894, at Dayton, Ohio.

Chemical Engineering.

Wendell Phillips High School, Chicago, Ill.

Omega Lambda; Tau Beta Pi; Radical X; Sphinx;

A.Ch.E.S.; Class President 1914-15; Social Committee

'13-'14; '15-'16, '16-'17; Chairman '15-'16; Asso. Bus.

Mgr. the Armour Engineer; Managing Editor the

Cycle '15-'16; Junior Play Cast; '15-'16; Chairman

Senior Pin Committee; Junior Marshall.

"Wally" has the distinction of having been elected the Junior honor man of Tau Beta Pi. His excellent scholarship coupled with his pleasing personality and activity makes him a "Regular Armour Man."

**B. S. in F. P. E.**

GEORGE WALTER CLOIDT

Hazards of Grain Elevators.

Born September 12, 1892, at Chicago, Illinois.

Wendell Phillips High School June 1910.

Delta Tau Delta; A.F.P.E.S.; Y.M.C.A.; Interclass

Baseball 1916; Smoker Committee '14-'15; Representative Rooters Assn. '16.

George is an able member of the Senior Fire "Protect"

crew, and is always to be found at the "reading-room."

His chief diversion outside of "grain elevators" is

driving a Kissell Limousine up and down Michigan Avenue.

FRANK J. CONWAY

Retardation of Combustion on Passing Through Screens in Closed Pipes.

Born, Chicago, Illinois, June 4, 1895.

DePaul Academy 1913. Fire Protection Course.

"A" Club; Fire Protection Society; Baseball '16, '17;

Class Baseball and Basketball '15, '16, '17.

"Connie" is the fighting Irishman of The Tech. His pep and ginger will be missed around school just as much as on the teams. Always smiling and never mad at anyone, "Connie" is a good scout.

R. D. COWLES

Closed Nozzle Test on Acid-Soda Machine.

Born, June 27, 1890; Baraboo, Wis.

Wisconsin Academy. F.P.E.S.

"Dell" always greets you with a smile and in the classroom or on the field he is with the top notchers.





THE CLASSES

**B. S. in F. P. E.**

LEONARD A. FOSCHINBAUR

Standards for Automatic Sprinkler Floor Distribution.  
Born, May 17, 1895; Oak Park, Illinois.

Oak Park High School, 1914.

Phi Kappa Sigma; A.F.P.E.S.; Member Junior Class Play 1916.

Acquaintance with Leonard changes the first impression of quietness. He is a staunch supporter of college activities and sure is some fusser.

KENNETH V. HALL

Retardation of Combustion through Wire Screen in Closed Pipes

Born, Fond du Lac, Wisconsin, Dec. 23, 1893.

Fond du Lac High School, 1913.

"A" Club; F.P.E. Society.

Tech baseball '14, '15, '16, '17; Class baseball '13, '14, '15; Class basketball '13-'14, '14-'15, '15-'16, '16-'17.

Besides being one of the Techs star athletes, "K. V." is the champion humorist of the school. Any time you feel down hearted just talk to him and his million dollar smile will chase the blues away.

JOSEPH S. KULA

Floor Distribution of Sprinkler Heads.

Born, March 3, 1894, at East Chicago, Ind.

St. Stanislaus College, 1912. Y.M.C.A.; A.F.P.E.S.

Member of Circus and Rush Band.

Joe has the distinction of being one of the most industrious of the hard-working Senior Fire-Protects and like a true F. P. he is never down-hearted. But we can't figure out just how he finds time to dabble in politics, (it is rumored this spring that he was a candidate for mayor of East Chicago). He has a faculty for hard work and attention to details, combined with a cheery personality which will surely prove of value to him in the Greater School which he now enters.

HOWARD BRUCE MAGUIRE

Hazards of Grain Elevators.

Born, March 24, 1895, at Chicago, Ill.

Wendell Phillips High School, 1912.

Delta Tau Delta; A.F.P.E.S.; Y.M.C.A.; Class baseball 1912, '14, '15; class track 1914, '15; golf champion 1915, 1916; President of class '15-'16; President of Rooters Assn. '16-'17; Chairman of Social Committee '16-'17; Chairman of Picture Committee '16-'17; Cycle Staff '15-'16; Junior Marshall; Vice-Pres. A.F.P.E.S. '16-'17.

If you want to know who is around school, ask "shorty."

Besides a few side duties, such as running a sub-station and playing golf, he is one of our most consistent promoters of school activities. "Shorty" is also Junior member of the Mellor-Maguire "Fox" committee.

W. RUSSELL OWEN

Closed nozzle test on a 40 gallon chemical extinguisher.

Born, May 24, 1894, at Chicago, Ill.

Austin High School, 1911.

Tau Beta Pi, Sigma Kappa Delta, Y.M.C.A., Fire Protection Society, Glee Club, Junior Play Cast. Class Indoor baseball '16; Pres. Y.M.C.A. 1916.

Some students are identified by their courses. However, we do not think of "Russ" as a "Fire Protect," but rather as an "Armour Tech". He makes a specialty of variety in his work and play, in which he is always the same popular and good natured fellow.





## THE CLASSES

### B. S. in F. P. E.

#### CARROL HARRY ROBERTS

Hazards of Grain Elevators.

Born, April 8, 1895, at Perdue hill, Alabama.

Beaumont, Texas, High School, 1913.

Delta Tau Delta; A.F.P.E.S.; Senior Social Committee; Interclass Basketball, '13, '14, '15, '16.

Harry is one of those fellows with whom one thinks it would be hard to become acquainted. Just try it once and find out what a good fellow he is at all times.

#### ROBERT F. SCHREINER

Standards for Automatic Sprinkler Floor Distribution.

Born March 13, 1895, at Chicago, Ill.

Austin High School, 1912.

Beta Phi; A.F.P.E.S.; Treasurer A.F.P.E.S., '15, '16;

Second Marshall Junior Week, '16; Junior Play '16;

Class Basketball '14, '15, '16; Class Baseball '14, '15,

'16; Class Indoor Baseball '16, '17.

"Bob" is one of the most popular and versatile men of his class. As author of "Tech Days" and "Hello, Dean Monin" he will be long remembered.

#### WILLIAM P. TRONVIG

Nozzle Tests of a 40 Gallon Chemical Fire Extinguisher.

Born, May 14, 1890, Chicago, Illinois.

Kenosha High School, 1912.

Sigma Kappa Delta; A.F.P.E.S.; Y.M.C.A.; Class

representative to Fulcrum '14, '15; Class Secretary

'15-'16; Vice-President F.P.S. '15-'16; Chairman

Invitation Committee.

"Bill" is THE worker of the class; and a mighty good fellow.

### B. S. in A.

#### ALLEN N. DRYDEN

Design of a State Capitol Building.

Born, May 26, 1894 at Chicago, Ill.

Wendell Phillips High School, '14.

Scarab; Atelier; Glee Club '14-'17, Quartette; Mandolin Club, Art Students League.

Social Committee '13, '14; Asst. Class Treasurer '15-'16,

and '16-'17. Massier of Atelier '14-'15; Purchasing

Agent '14-'17; Auditing Committee '16-'17; Architect's

Play '14.

Excepting the fact that he is an architect, Allen N. is

the type of what every Armour man should be. As

with many of us, school rather breaks into his after-

noons; but in a manner which makes us ask "how

does he do it," he got away with his work with a

record of which we are all envious.

#### HAROLD GILLETTE INGRAHAM

A State Capitol Building.

Born, July 24, 1894, at Menomonie, Wis.

Wausau, Wis., High School.

Delta Tau Delta; Tau Beta Pi; Scarab; Atelier; Glee

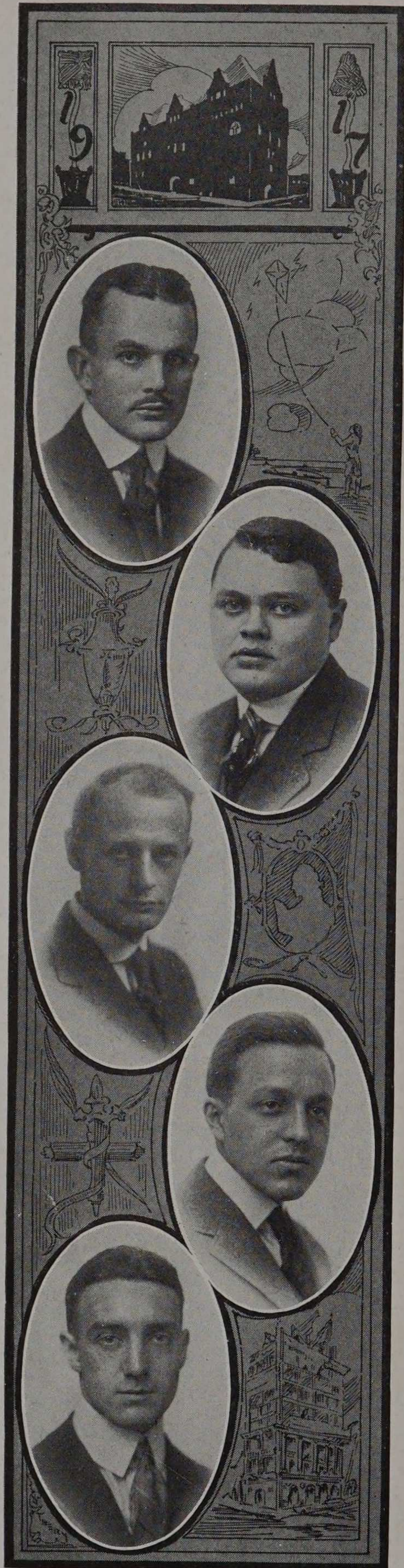
Club, 1913, '14, '15, '16, '17; Class Basket Ball, 1913.

Social Committee, 1914-15, 1916-17; Massier Atelier

1916-17; Art Editor Cycle 1915-16; Junior Play.

Speaking of Architectural, Social, and Jazz Band

artists, well just watch "Ing".





THE CLASSES

B. S. in A.

R. B. KURZON

A State Capitol Building.  
Born April 9, 1895, Chicago, Illinois.  
Lane High School 1913.  
Beta Phi; The Atelier.

In our opinion "Kurz" is the embodiment of a good scout. His many songs (one for every occasion), and his original brogue are the delight (?) of his class. However, by the standard of his school work, it is assured that he will make good in his chosen field.

MARK BERTRAM LEVINSON

A State Capitol Building.  
Born August 3, 1894, at Chicago, Illinois.  
Joseph Medill High School, June 1911.  
Atelier; Art Students League.

Known by all as "Mike;" also called "The Phantom". Mark is right there when it comes to singing. His favorite song is "Oh Say, Wouldn't You Like To Be A Soldier?" Has no enemies except his beard, with which he wrestles daily. Pompadour king. Famous in the "Shelbourg Mystery". Hard worker. Worked his way through school. Good natured and liked by all.

KENNETH A. MCGREW

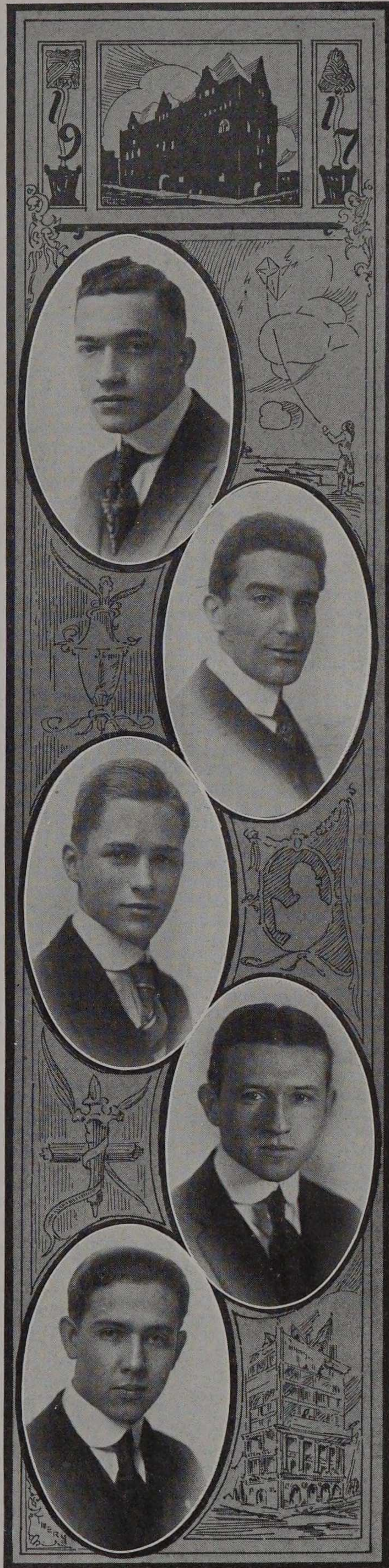
A State Capitol Building.  
Born January 31, 1896, at Kankakee, Ill.  
Carl Schurz High School, 1913.  
Tau Beta Pi; Scarab; Treas. Atelier '15-'16, secretary '16-'17; Mandolin Club; runner up in 1916 tennis tournament; "Jass" Band;  
Kenneth's record in college has been a marked success, due to the effort he has put into it, not only in scholarship, but also in social and athletic affairs.

HARRY E. MAHER

A State Capitol Building.  
Born July 27, 1895, at Chicago, Ill.  
St. Reta's College, 1913.  
Tau Beta Pi; Scarab, Atelier, Massier Atelier, '15-'16.  
July 27, 1895, was an eventful day in the history of the world, for on that day Harry first saw the break o'day. His devotion to his studies, his winning personality and his ready Hibernian wit have proven him a real man and have won for him a host of friends.

CHARLES MARKEL

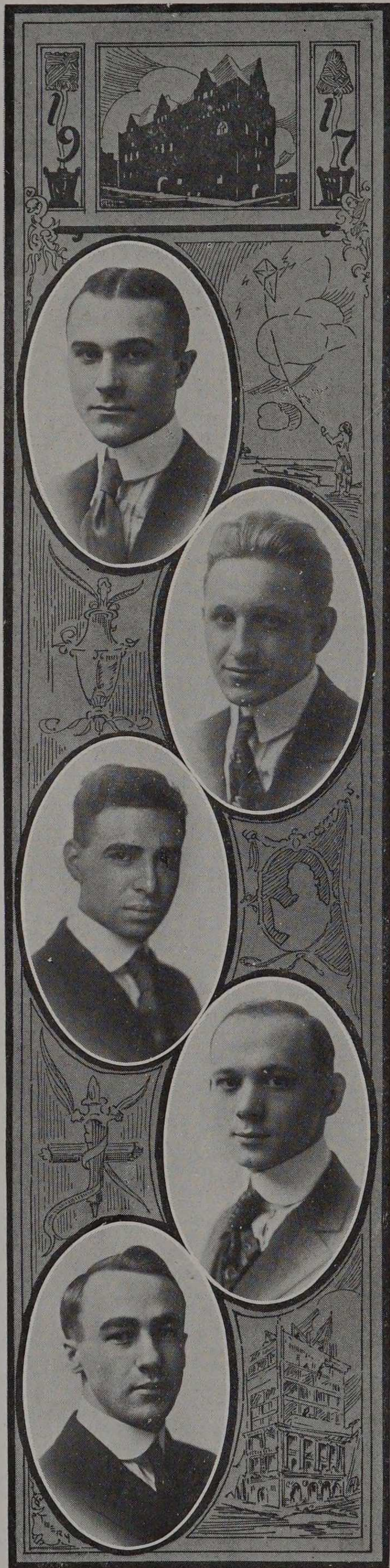
A State Capitol.  
Born, Dec. 16, 1895, at Wiotia, Wis.  
Freeport High School, 1913.  
Atelier.  
Known as "Freeport" some of the time, and as "Chawlie" most of the time. Good Student. Information Bureau. Unlicensed movie operator at Talmadge's show. Answers telephone when Schiavone calls up for Campbell. Ticket scalper and collector for the Harmony. Plays tuba in Ahmor Awkestra. Worked his way through school.





THE CLASSES

B. S. in A.



LLOYD ELDON MELLOR

Design of a State Capitol Building. *stud here*  
 Born Aug. 10, 1894, at Aberdeen, So. Dakota.  
 Sioux Falls High School, 1912.  
 Delta Tau Delta; Tau Beta Pi; Atelier; Y.M.C.A.;  
 Freshman Basketball; Class Treasurer '13, '14; Glee  
 Club '13, '14, '15, '16; Architect's Play '14.  
 "Spike's" artistic ability has brightened our halls since he  
 blew into town from the "Far West" four years ago.  
 His record of A's does not stop with his studies but  
 continues in his character and good fellowship.

WM. F. THOMSEN

State Capitol.  
 Born, November 22, 1894, at Chicago, Ill.  
 Lane Tech, 1913.  
 Atelier.  
 "Tommy" is our practical man. The buildings that  
 he will build may not be according to Van Pelt or  
 Vignola, but you can bet that they will be practicable.  
 His pet hobby is the opera. He can tell you who  
 wrote any one of them.

JOHN W. TURNER

A State Capitol Building.  
 Born, Oct. 11, 1894, at Chicago, Ill.  
 Harrison Technical High School, 1913.  
 Treasurer Atelier '16, '17.  
 "Our Jawn" is to the senior architects what a balance  
 wheel is to a watch. Turner has a keen sense of  
 humor; and his chief hobby is in finding new methods  
 of doing every-day things. He can find short cuts  
 in figuring trusses, or ventilating systems; and we  
 will all vouch for their reliability.

WM. J. VESELY

A State Capitol.  
 Born, March 3, 1894, at Chicago, Ill.  
 Crane Tech, 1913.  
 Atelier.  
 Vesely has that nack of "flecking" his brush and squint-  
 ing his left eye that one must get somewhere in  
 France. He is the originator of Veseleyesque Archi-  
 tecture and like his contemporary Louis Sullivan is  
 a very modest creator. The freshmen and sopho-  
 mores are always at his beck and call, and it is quite  
 an honor among them to "nigger" for Vesely.

STANLEY B. WILLIAMS

State Capitol Building.  
 Born, July 27, 1893, at Orion, Illinois.  
 Lake High School, 1913.  
 Atelier; "A" Club; Track Team 1915-16, and Class  
 track team in 1914-15; Sergeant at Arms Atelier '15-  
 '16, and '16-'17.  
 Stanley is one of our hardest workers, but he can always  
 find time to take part in anything that the architects  
 start, whether it is "Rough Neck Day" or classical  
 music recitals. One of his principal characteristics  
 is thoroughness. He is a great influence for sobering  
 the freshmen and teaching them to show the proper  
 respect for Seniors.



THE CLASSES

B. S. in I. A.

THOMAS BJORGE

Teaching.

Born, Aug. 10, 1882, at Whitehall Wis.

Prepared at Southern Minnesota Normal College.

B.S. Southern Minnesota Normal College 1908.

A.I.T. Glee Club, 1909-1910.

Bjorge had almost no opportunity to attend school until he was of age. In spite of this handicap and in spite of Dan Cupid's call, he is completing his course. His determination is in proportion to his stature.

GEORGE S. SHUBERT

Teaching.

Born, May 7, 1894.

Lane High School, 1911, Lane College, 1913.

Taught manual training in the Kenosha public schools, and spent his extra time in completing the major studies required for his anticipated degree. After having worked there a year, he came to Chicago; and while working here as a mechanical drawing teacher, has completed the curriculum required for his degree. We have not had the opportunity to become very well acquainted with George, but are certainly proud to call him a class-mate.

EMIL JABROSKEY

Teaching.

Born, Nov. 18, 1883, at Hammond, Ind.

He received his early education in Cook County schools; and graduated from the South Chicago High School in 1904, and the Chicago Teacher's College in 1906.

He has taught in the Chicago public schools for the past ten years, and at present is a Critic Teacher of Manual Training at the Carter Practice School. He is also a member of the Chicago Normal School faculty.

B. S. in Ch.E.

THOMAS E. BOTTS

Recovery of By-Products from Garbage.

Born, August 2, 1891; Sioux City, Iowa.

Pearson's Academy, Walla Walla, Wash.

Walla Walla High School.

B.S. degree in Chemistry, Whitman College.

A.S.Ch.E.

Class basketball 1915, 1916; Track 1916.

Edison, coming to us, as he did with so much previous education, has proved a seer among his classmates.

However, this has not been to his discredit, quite the reverse in fact, for he has shown himself a real companion and good-fellow.

ORREN L. HAILEY, JR.

The Preparation of Metol.

Born, June 3, 1891 at Knoxville, Tenn.

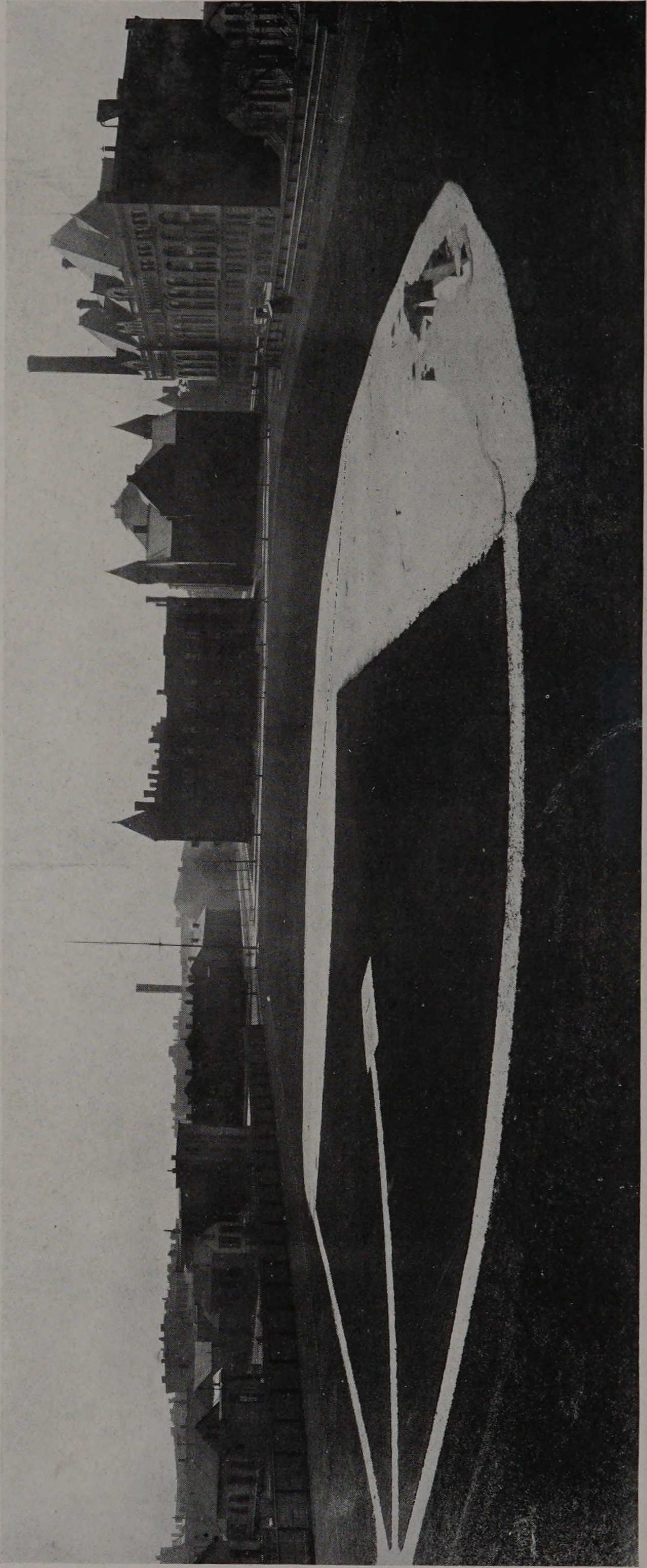
Corsicana (Texas) High School, 1911.

A.Ch.E.S.; Sigma Kappa Delta; Treasurer A.Ch.E.S.

The study of engineering is only one part of Hailey's activities; besides all of his college duties he puts in his eight hours daily with the Commonwealth, a feature that any man should be proud of. With his perpetual smile, he is one of the best liked men of the Senior class.



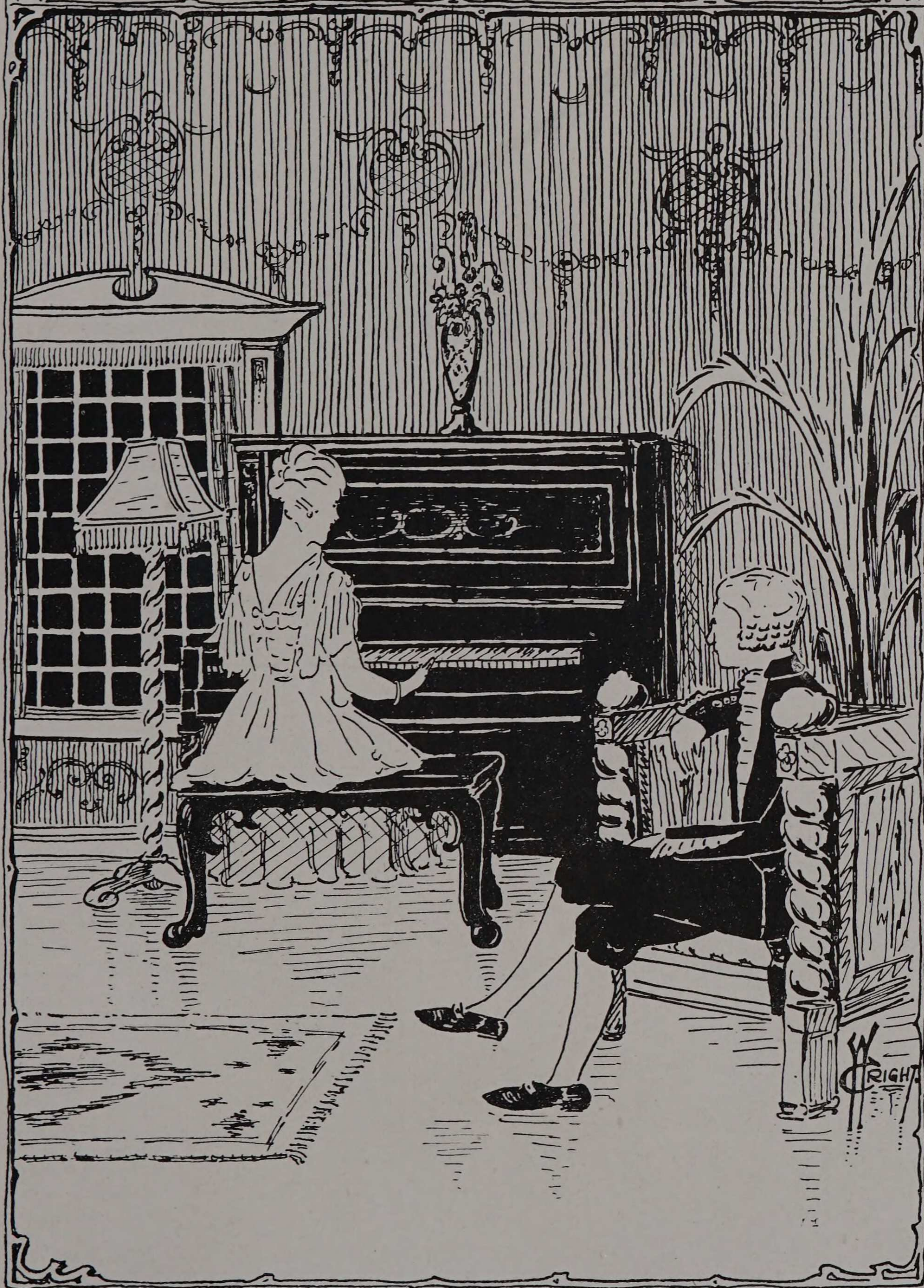




OGDEN FIELD

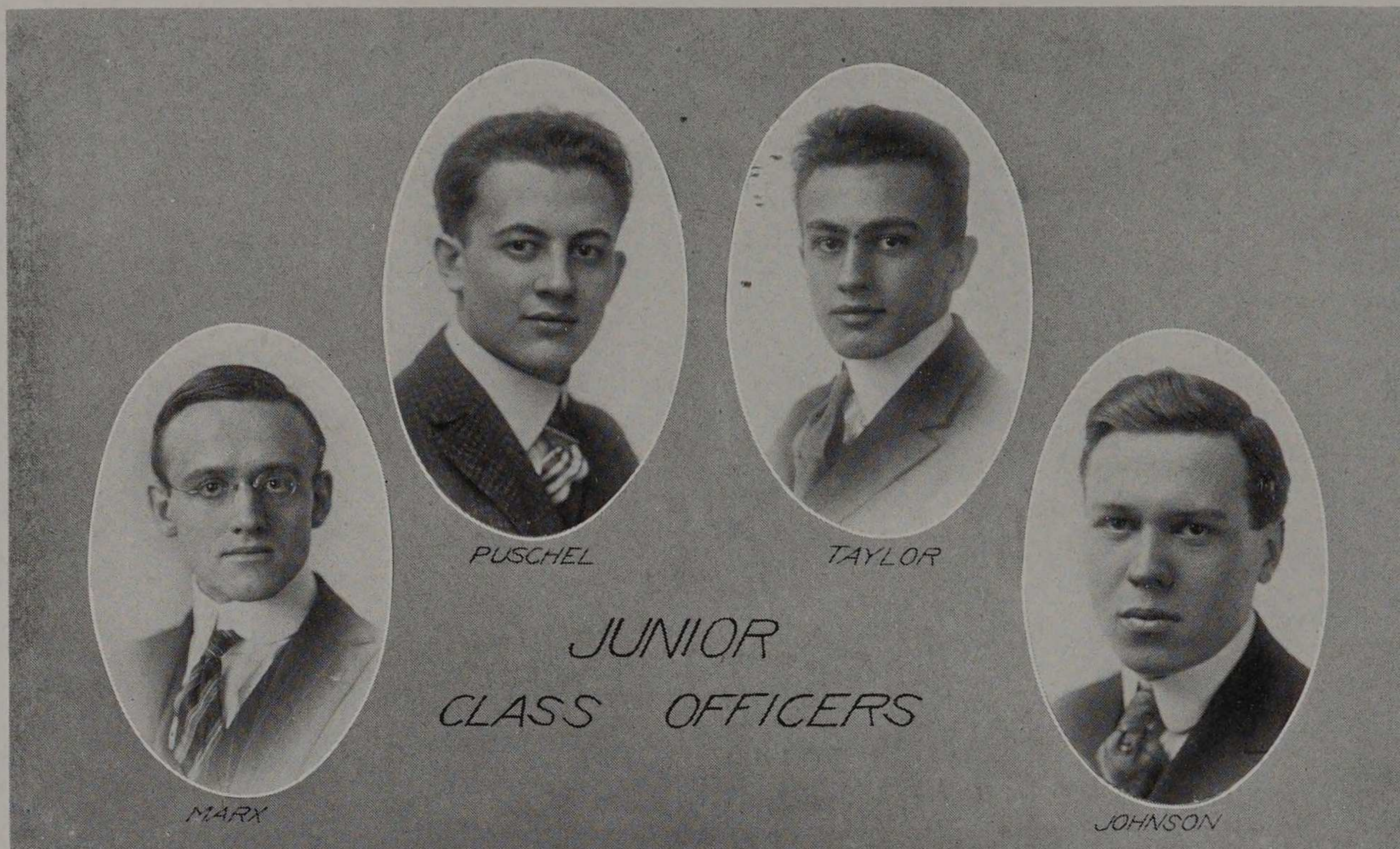


# JUNIOR





THE CLASSES



Officers of the Class of 1918

H. W. PUSCHEL	.	.	.	.	.	.	.	.	President
K. A. TAYLOR	.	.	.	.	.	.	.	.	Vice-President
F. E. MARX	.	.	.	.	.	.	.	.	Secretary
F. R. JOHNSON	.	.	.	.	.	.	.	.	Treasurer
E. F. QUINN	.	.	.	.	.	.	.	} Deputy Treasurers	
D. E. CABLE	.	.	.	.	.	.	.		
V. A. KERR	.	.	.	.	.	.	.	.	First Marshall
E. F. QUINN	.	.	.	.	.	.	.	.	Second Marshall
W. J. WIGNALL	.	.	.	.	.	.	.	.	Third Marshall
R. N. MANN	.	.	.	.	.	.	.	.	Chairman of Smoker Committee

SOCIAL COMMITTEE

W. J. WIGNALL, *Chairman*

W. H. BRETTING		H. H. SHOTWELL
S. L. EVANS		L. WEISS
O. M. HULLINGER	.	<i>Representative Board of Athletic Control</i>
S. L. EVANS	.	<i>Representative Rooters' Association</i>
R. E. MARX	.	<i>Cheer Leader</i>



## Junior Class History

Early in the month of September, nineteen hundred and fourteen, a large number of young men began their career in Armour Institute. The initial unfamiliarity which they naturally experienced soon wore off as they were drawn into closer relationship with one another, and before many weeks had elapsed they met and formally organized as a Freshman Class. Beaumont, who at this meeting was honored with the presidency, demonstrated his ability to successfully pilot his class during the ensuing year. The class spirit rapidly developed and evinced itself with a display of spirit which was well executed. Numerous social events followed which were loyally supported by the Freshmen. The daring and bravery of this class was well illustrated, when it upset all traditions by holding the first dance of the year in the form of a "Freshman Mixer" dance. The affair was a big success in spite of the fact that the "Sophs" attempted to "muss up" things. This class also furnished a number of athletic "stars" during the year of which the following won school emblems: Sandroff, Hullinger, and Evans.

The following September, the Class of '18 returned to Armour for their second lap of college life. An efficient corps of officers was chosen at an early meeting of the newly "branded" Sophomores. Evans was elected president, and filled his position with a dignity and skill which was highly commendable. At the Freshman Handshake which was held at the Hyde Park Y.M.C.A., the Sophomore Class was well represented, and did its share in creating a fraternal spirit with the incoming freshmen. Perhaps the greatest social accomplishment of the year was the Sophomore Dance which was held at the Congress Hotel. This dance was a marked success independent of the fact that it was well attended. Chairman Shotwell and the other members of the class social committee were largely responsible for the favorable outcome of this important event.

In athletic competition the Sophomores surpassed their good performance of the previous year. Anthony won the fall tennis tournament in a field of thirty-two entrants. The various class athletic teams were chosen contenders for the championship in every branch of interclass athletic contests. Kerr, a more recent member of the Class of '18, distinguished himself on most of the "Tech" teams, as a first class athlete. Sandroff, Kerr, Taylor, and Hullinger were awarded "A's" for their service on school teams. Shortly before the school year expired a class meeting was held for the election of members of the present Cycle Staff. Stevers was presented with the chief editorship.

After having endured the hot summer weather most of the class members decided that school, after all, was the more favorable form of torture. About ninety started this year by "labeling" themselves Juniors. The annual Freshman Handshake was well attended. The Armour Quartette sang several songs which were heartily enjoyed by all. Mann, a Junior representative on this quartette, proved himself invaluable as a vocalist. The election of class officers was soon held. Those elected were: Puschel, president; Taylor, vice-President; Marx, secretary; and Johnson, treasurer. A number of Juniors acted as referees in the Freshman-Sophomore sack rush. The plans for the rush were promoted by a joint committee of the upper classes. The program was carried out without a hitch, and furnished abundant amusement for the spectators. The annual class dance this year was given December 15, in the Red Room of Hotel La Salle.

The Juniors started the athletic season by furnishing a champion golf player in the person of W. S. Eagle. The class basketball team was unfortunate in losing the championship. Captain Kerr's team was tied with the Seniors at the end of the series with seven games won and two lost. The "play off" game was won by the Seniors. The Junior indoor baseball team has administered two defeats to outside teams. The first game was won from the Sinai social center indoor team with a 4 to 3 score, and the second game was won from the Palmer Park team with a score of 5 to 2.



THE CLASSES

## Class of Nineteen Hundred Eighteen

### *Mechanical Engineering*

AITCHISON, P. F.	GASHE, R. T.	MARVIN, N. L.
BELKE, W. E.	GREENSPAHN, A. H.	RIEGER, G.
BRETTING, W. H.	HUFFAKER, N. L.	TAAKE, H. E.
COLE, M. C.	KERR, V. A.	TAYLOR, K. A.
DURHAN, E. J.	MARKS, R. E.	SANDROFF, W. M.

### *Electrical Engineering*

ANTHONY, R. B.	HULLINGER, O. M.	PETZING, E. W.
BURNS, R. B.	HUNT, J. J.	SCHEUER, E.
CROWN, V. M.	JACKSON, R. S.	SCHRIEBER, H. F.
ERICKSON, R. A.	JACOBS, L. R.	SEDLACEK, R. J.
FERGUSON, A. H.	MATHEWS, R. H. G.	SHEA, F.
GOLDSTEIN, J. N.	MOORE, E. A.	SHOTWELL, H. H.
HAIZMAN, E.	NEWLANDER, A. R.	STEVERS, H. D.
HOFGREN, A. A.	ORAHOOD, L. O.	VODGES, F. B.

### *Civil Engineering*

BRUCE, H. A.	HARNETT, B. E.	SELIGER, K. L.
BUSH, I. B.	NITKA, J.	SENECALL, C.
BUSH, L. C.	NOTHELFER, S. D.	SMITH, E. F.
CRAMER, BLOIS	LEATHERMAN, C. M.	WEISS, L.
DIERSTEIN, F. C.	PETERSON, H. A.	WIGNALL, W. J.

### *Chemical Engineering*

CABLE, D. E.	FINKLSTEIN, V.	MODZIKOWSKI, S. J.
EAGLE, W. S.	JOHNSON, F. R.	PEARSON, A.
ELSTEIN, AARON	KLEMM, H. F.	PREST, I. J.
FINKL, W. F.	KOEHLER, W. W.	

### *Fire Protection Engineering*

COLE, E. R.	KINGSLEY, T.	PUSCHEL, H. W.
EVANS, S. L.	KUTTNAUER, L. V.	RUSK, R. H.
HAYES, L. E.	MANN, R. N.	SABISTON, K. M.
HAUSEMAN, R. B.	MARX, F. E.	

### *Architecture*

BULTMAN, W.	GLUBE, H.	MORSE, H. L.
CHAPPELL, R. A.	HULBURT, S. C.	PAREIRA, D. A.
COHEN, R. F.	KLAJDA, E. F.	QUINN, E. F.
COWLES, S. C.	KOCH, R. F.	SOSNA, N. I.
DAVIDSON, M.	KUEHN, W. K.	TWERY, L. E.
GRAMMAS, P.	MACELDOWNEY, H. B.	WRIGHT, W. C.





CLASS OF '18







# SOPHOMORE





THE CLASSES



MARTIN

STONE

McCORMACK

MENDIUS

Officers of the Class of 1919

J. M. STONE	President
W. J. McCORMACK	Vice-President
I. C. MARTIN	Secretary
W. MENDIUS	Treasurer

SOCIAL COMMITTEE

R. T. PETERS, *Chairman*

J. E. ALEXANDER

A. E. MAITRE

E. J. KILFOYLE

H. F. REHFELDT

W. E. DADY	Cycle Representative
A. E. MAITRE	Board of Athletic Control Representative
W. OLESKY	Sergeant-at-Arms



## Sophomore Class History

It was in September, 1915, that the class of '19, which now gives promise of being one of the brightest stars in the Armour constellation, gathered; a truly representative crowd from all parts of the globe, before the gates of Armour. Being of no small import that we should organize at once, we began our eventful four-year career with all due seriousness and ably piloted by Lou Yeomans, we did things and did them right, as any fair-minded upper classman will bear witness. The class from the start was not content to confine its activities to any one phase of college life but entered everything whole-heartedly with a firm resolution to do its best, and under guidance of some worthy leaders a happy combination of high scholarship, strong athletics and good-fellowship has resulted.

Our dance was the talk of the season and the banquets, two of them, were pulled off in great style. On Tech-Nite our Armour spirit dominated our '19 spirit as in all the school affairs. We were represented in track by Mendius and Sommer whom "Long John" considers an important asset to his 'Varsity team.

Our first year came to a close in May, 1916, a year filled with fine achievements.

Misfortune overtook some of our regular men during the summer and when the class assembled again in September, 1916 it was with sincere regret that it missed such men as Lou, Jap, Kavvy, Bob, Parker and many others. Some new men had joined their fortunes with ours, but it was a somewhat smaller class whose destiny Mac Stone undertook to direct through its second year. Mac's ability to run things was first evidenced as Freshman treasurer and he has more than kept up his reputation this year.

At the handshake we played a minor part, reserving our welcome for the Freshies until later. This year marked a revival of a modified form of the more humane style of rush, which for barbarous reasons was abolished by the class of '09. We were outnumbered to say the least and would have been better represented in the old style rush, but for the good of civilization we were willing to sacrifice ourselves. Not a member of the class of '20 can say they had an easy time of it. The rush and the smoker after it were among the real successes of the year.

The Soph banquet held on an inopportune date was not the success it might have been. However the fellows more than came back at the dance. What other class ever put across a dance equal to ours? Pete surely deserves credit for that affair which was a world-beater.

Our activities next year will be largely confined to the Cycle. Having already selected the leaders for that job you may expect a real book.

As we turn the pages of our as yet, incomplete history at Armour, our life these two years has been indeed pleasant.



THE CLASSES

**Sophomore Class**  
**Class of Nineteen Hundred Nineteen**

*Electricals*

F. L. ACKERLUND  
E. H. ARNOLD  
M. F. BACON  
C. F. BUTLER  
E. R. EWIN  
C. D. FISHER  
M. C. FRIEDMAN  
A. GRANT

W. R. HENNING  
M. A. JOHNSON  
R. O. JOSLYN  
I. C. MARTIN  
G. MATEJKA  
R. D. MORGAN  
J. P. MUELLEMAN  
R. L. PENTLAND

R. H. RENSCH  
E. SCHEUER  
ABE SUGARMAN  
A. P. SULLIVAN  
A. R. THROOP  
P. H. WEBER  
T. WELCH  
H. WESTON

*Mechanicals*

H. ANDERSON  
H. B. ATHERTON  
D. C. BERG  
A. H. BLAKER  
C. I. CARLSON  
A. N. GAIL  
G. C. GRAHAM

A. M. GRASSE  
J. A. KEETH  
T. A. KIDWELL  
E. L. NIELSEN  
H. R. REHFELDT  
M. W. ROGERS  
T. J. ROWE  
J. M. STONE

R. S. WEINSHENKER  
H. K. WERTHEIMER  
C. K. LUNDE  
C. F. CLAUSEN  
E. J. KILFOYLE  
A. T. HENSEN  
M. MARKS

*Industrial Arts*

A. H. CLASEN

*Fire Protects*

L. E. FISCHER  
W. A. HARRISON

L. V. KUTTNAUER  
M. G. MEYER

R. T. PETERS  
F. A. TRASK

*Architects*

W. H. BROWN  
R. T. CHRISTIANSEN  
W. E. DADY  
C. S. DANFORTH  
A. E. ERICKSON  
B. J. FERRING  
C. L. GAUL  
L. A. GLIATTO

A. B. GREENLIEF  
E. R. HARMAN  
A. J. JENSEN  
E. P. LEWIN  
W. J. McCORMACK  
A. R. MONACO  
H. S. MUESSE  
E. C. NILSEN

W. J. OLEKSY  
S. RATUSHUY  
J. RUBENSTYNE  
A. F. SCHIMEK  
A. J. SOMMER  
W. H. STEVENS  
M. R. WALLACE  
J. Y. WICKS

*Chemicals*

J. E. ALEXANDER  
W. J. ANDERSON  
G. V. BRADBURY  
F. W. CABLE  
C. B. CLARK  
A. R. EDWARDS  
D. W. GRIGSBY

L. S. JAGLOWSKI  
H. D. KING  
A. S. LAZORIS  
E. R. LUCKOW  
E. McCLUNG  
A. E. MAITRE  
W. E. MEAD  
R. S. MELICHAR

W. MENDIUS  
C. W. MUEHLBERGER  
S. NEWMAN  
W. J. SAVOYE  
T. J. SCHULZE  
H. T. HUBER  
GEO. TOUGH

*Civils*

C. J. ALMQUIST  
E. J. BRADLEY  
D. S. CHASE

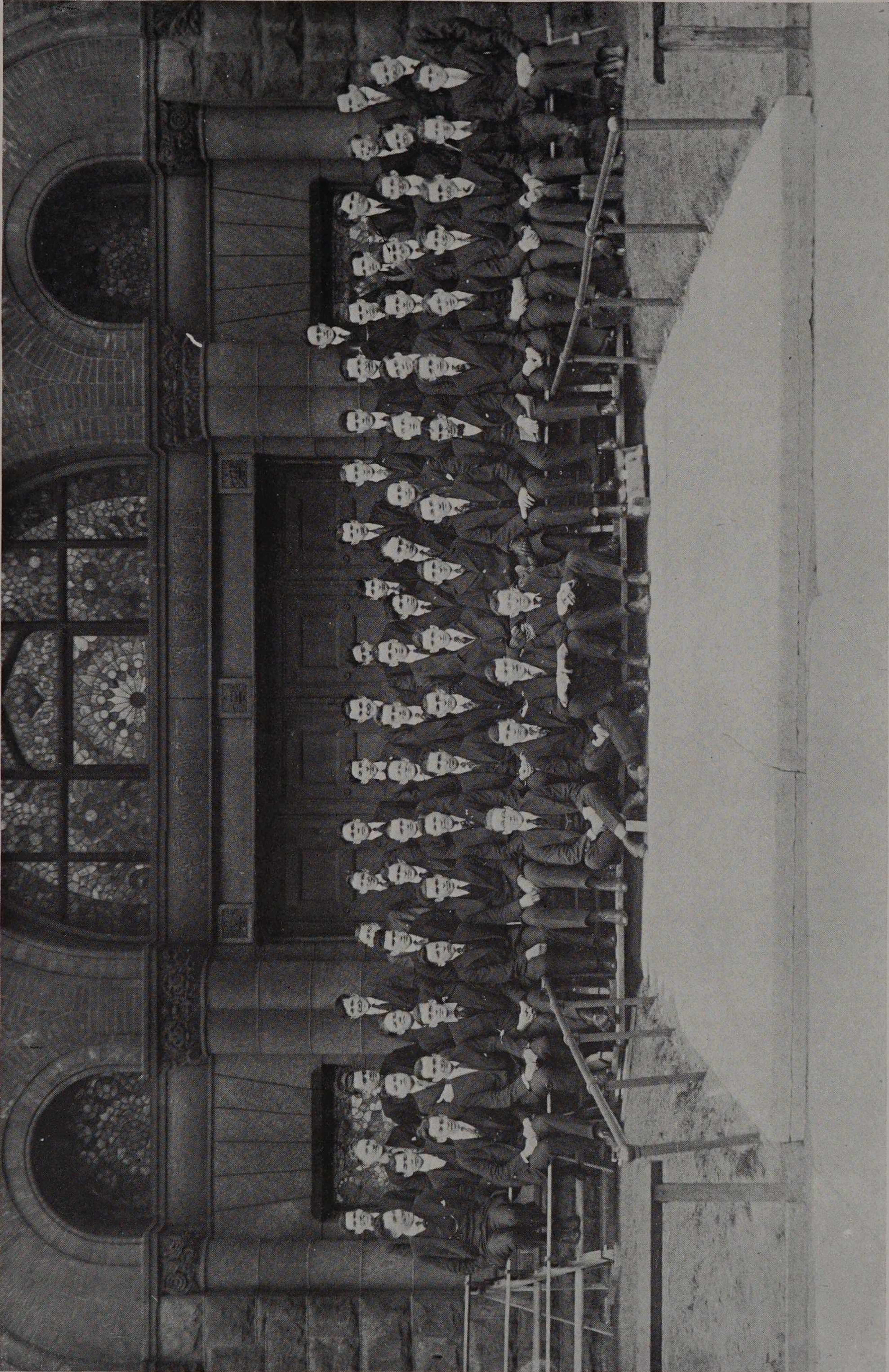
I. M. EUGH  
C. L. GOLD  
R. LAKE

H. F. REUTER  
JULIAN FRANK  
H. W. HANCHETTE

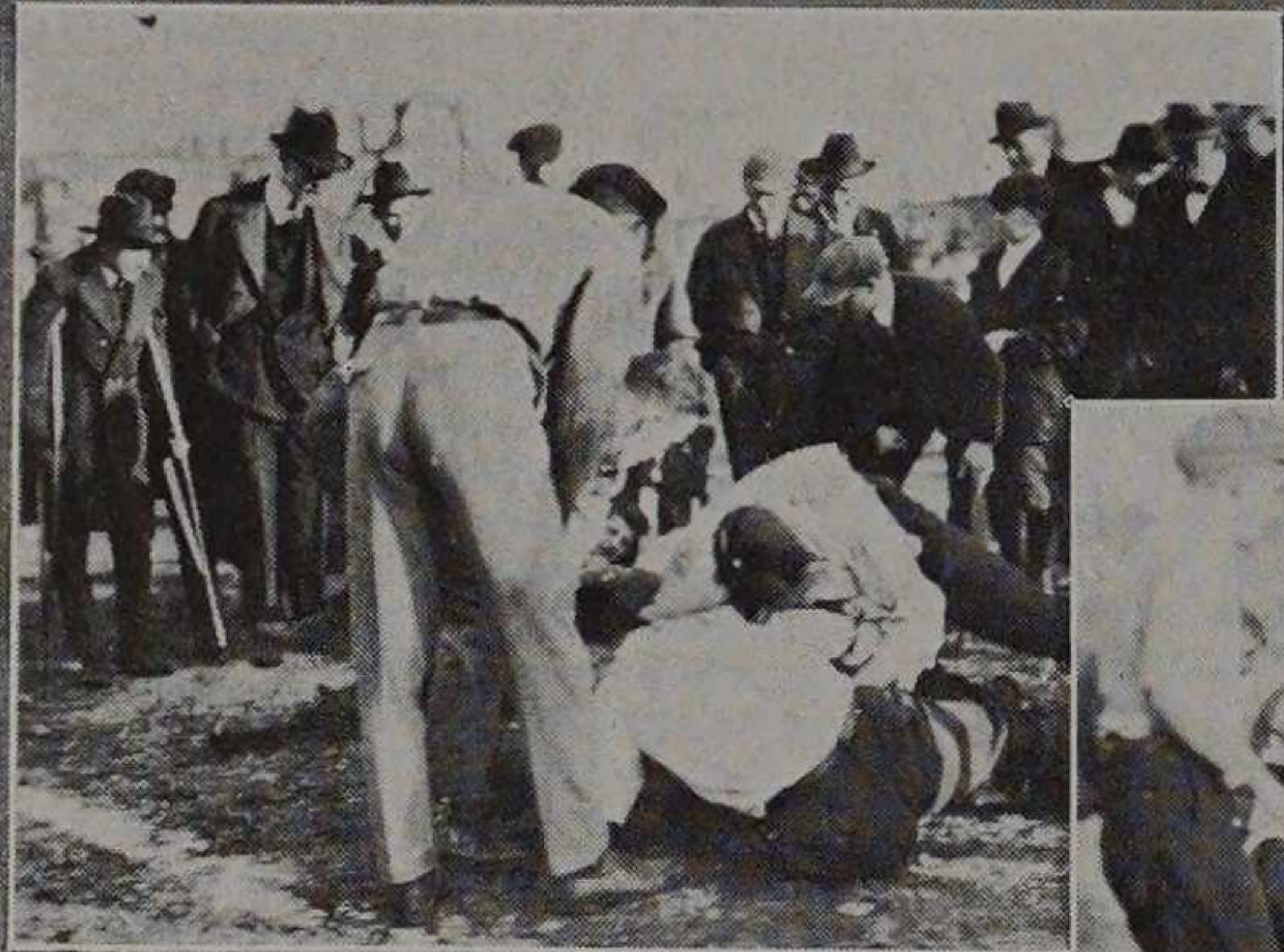
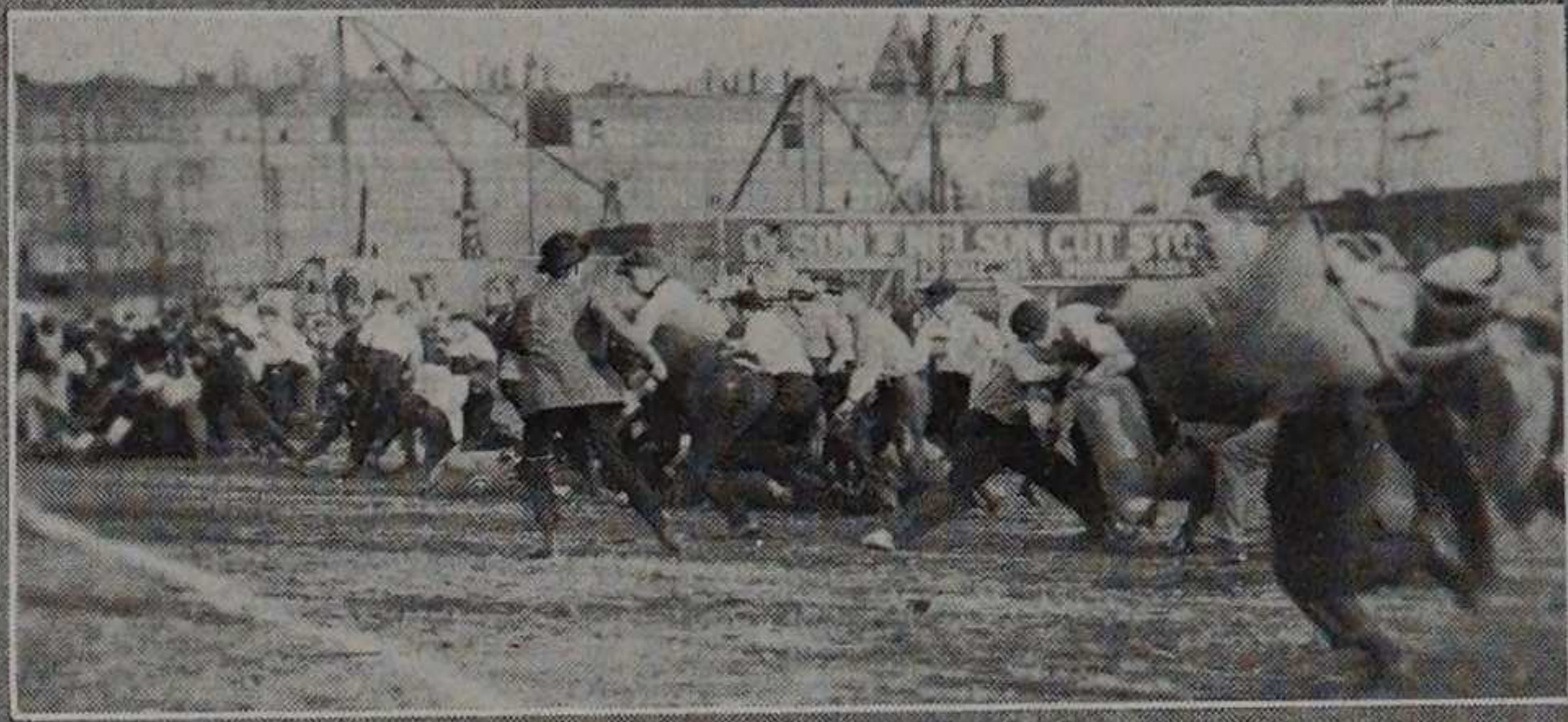
S. JAFFE

J. T. McCALMOUNT





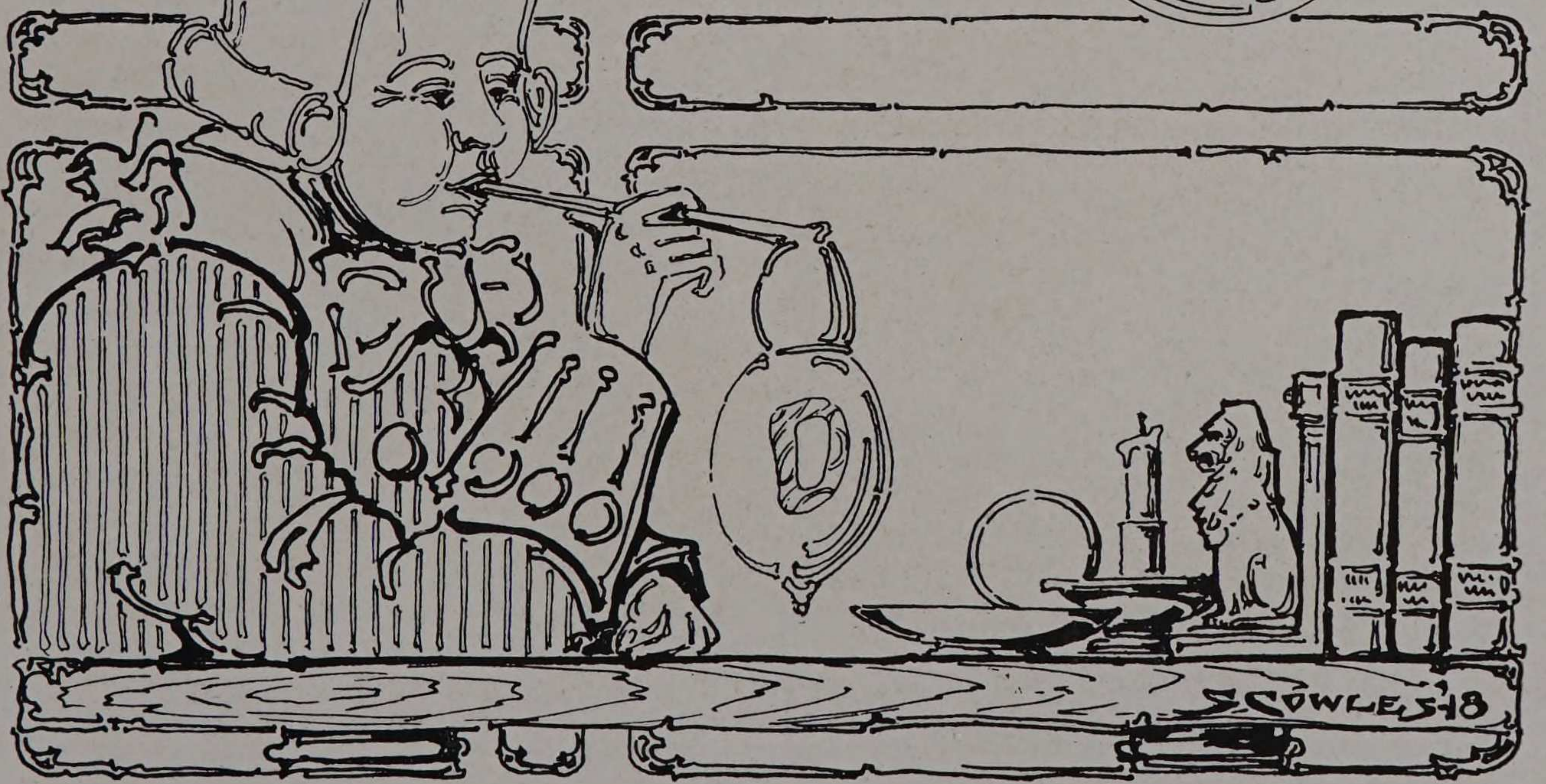
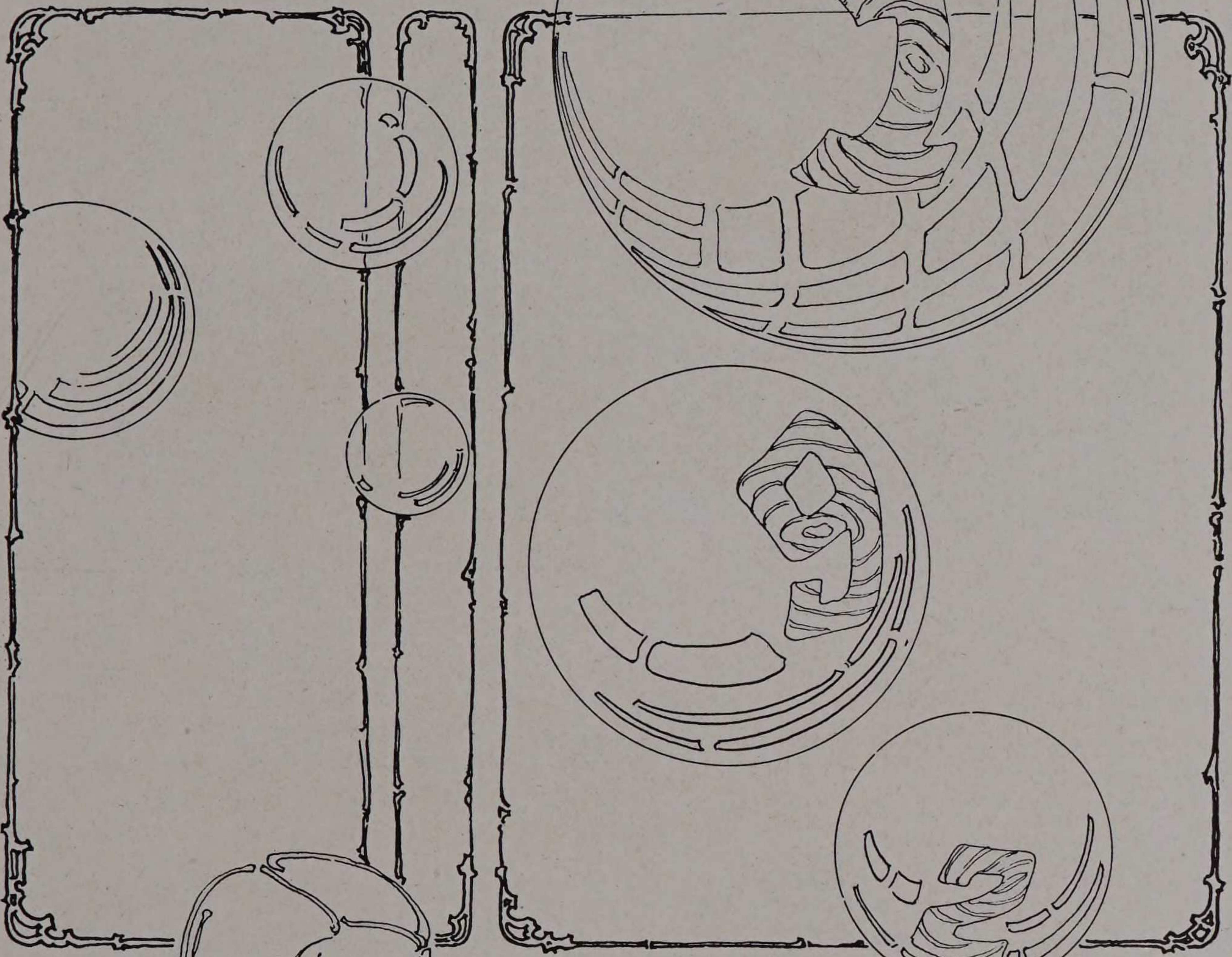




"SACK RUSH" SNAPS

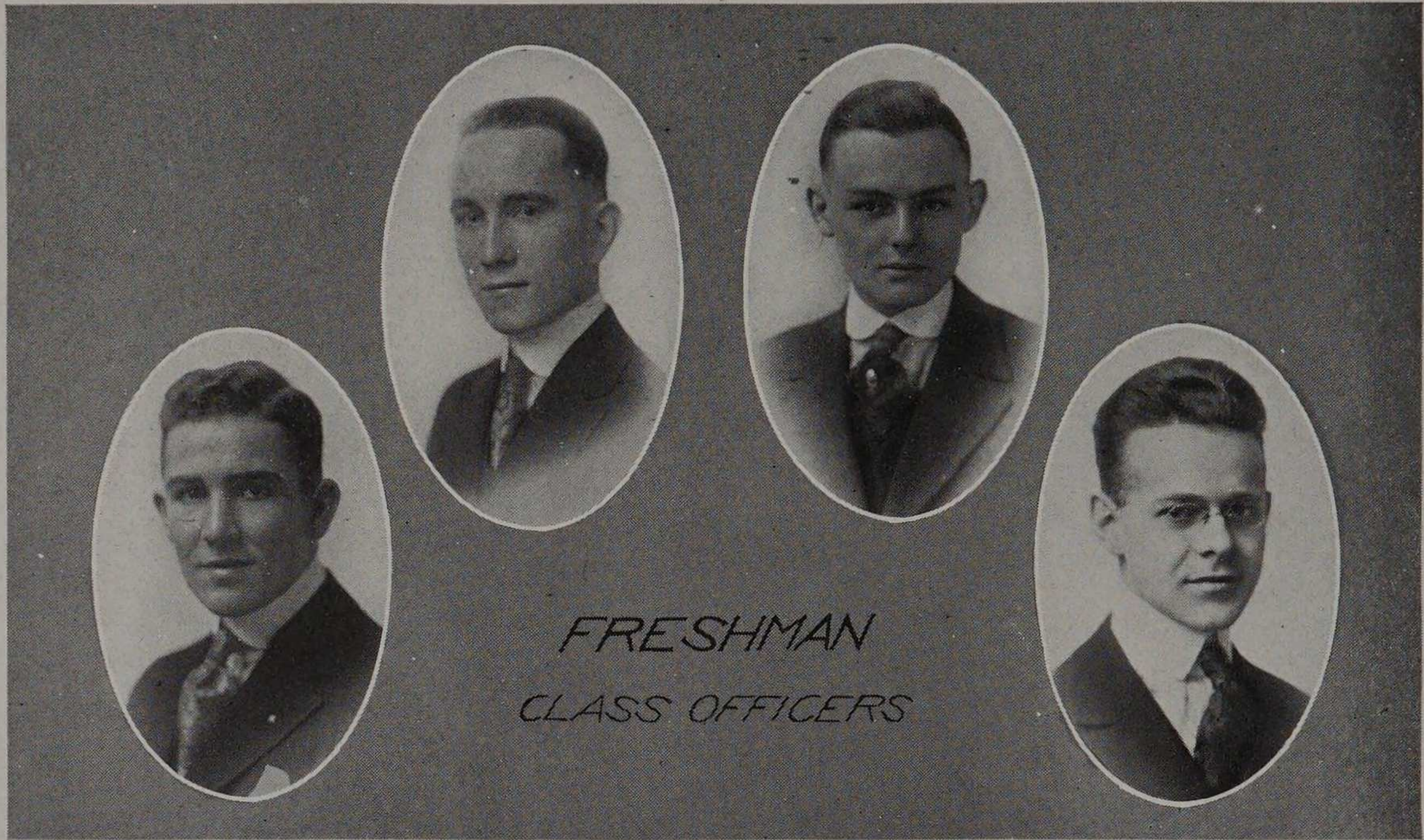


# FRANKMAN





THE CLASSES



ZINN

ANDERSON

TITUS

MATSON

Officers of the Class of 1920

H. ANDERSON	President
A. TITUS	Vice-President
E. K. ZINN	Secretary
E. MATSON	Treasurer

SOCIAL COMMITTEE

WINNE, *Chairman*

L. F. JONES	R. D. BECK
L. ANNING	M. O. BRECKNER
D. E. RUTISHAUSER	<i>Cycle Representative</i>
H. T. ROLLMAN	<i>Sergeant-at-Arms</i>



## Freshman Class History

Wasn't it a grand and glorious feeling to become freshmen on that memorable day of September the eleventh, nineteen hundred and sixteen? It wasn't funny in the least when we passed a group of supposedly dignified upperclassmen and they gave us the "once over," or when we asked a foolish question and had them laugh. Nevertheless, in two weeks we had acquired the system, and we were ready to push with the rest to bring Armour to the front.

After an address of welcome by Dean Monin at our first meeting, the leadership of the class was bestowed upon Homer Anderson, and everybody readily admits that a better man for president is hardly conceivable. His "pep" and true Armour spirit have won for the class the admiration of the school. The Architects are well represented by Titus in the office of Vice-President; Zinn and Matson carry on the business of the class, while Rollman ejects the wicked. Orange and black were voted as class colors.

The upper-classmen evidently liked our crowd, and wanted to meet them early, for on September the fifteenth the Freshman Handshake was held, at the Hyde Park Y.M.C.A. We certainly felt at home, for there was real life and spirit in the air and we inhaled it. It was a grand success and we enjoyed ourselves immensely.

About a month later symptoms of the usual decorating fever were discovered in both Freshman and Sophomore classes, but the disease for the most part, at least, was prevented by the injection of an antipainting-toxin by Dean Monin.

For the first time in the history of the school, the upper-classmen arranged and put through the annual Frosh-Soph Rush with a system and snap that met with the approval of the faculty. So favorable did the plans impress Dr. Gunsaulus that he donated the price of the sacks. As a result on October the twenty-seventh the two classes marched to Beutner field, where the Sophs were given the north goal to defend, and the Freshies the south. Across the center of the field fifty numbered sacks lay in a line, and when the pistol was fired the two armies charged toward the center. They certainly were a sight to see, clad in all forms of armor, from chilly B.V.D.'s, to football suits. The leadership of our noble general "Ande" insured us victory from the beginning; and when the pistol, which closed the contest, was fired, thirty-six sacks of the total fifty reposed gently behind our goal. Among these were our class numbers, 19 and 20. After a few cheers for the disheartened Sophs, we disbanded, to meet again in the evening at the Oakland Music Hall for the annual Smoker. It was a jolly affair and we soon forgot our prejudices.

The Freshmen again showed their colors by the way they turned out to Tech Nite. Just leave it to them if you want a lot of real noise and excitement.

The Freshman Dance was held in the Louis XIV Room of the Hotel LaSalle, on Friday the thirteenth of April. The hoodo date, contrary to prophesy, added greatly to the success of the affair. Chappel's Orchestra provided splendid music, and from comments heard, all had a fine time.

Our athletes needed no special invitation to bring them to the front, for in basket ball we trimmed the Sophs, beat the Juniors, and gave the Seniors a long run for their money. As a result we finished near the top of the list. Five of our men were on the Varsity Squad and two, Bready and Erickson played regularly in the scheduled games. The class as a whole supported athletics exceptionally well, and we expect to annex several championships before the year is out.



THE CLASSES

Class of Nineteen Hundred Twenty

*Students in Mechanical Engineering*

ADAM, PAUL J.	FEHLING, LOUIS A. W.	LOWRY, ROSS
ANDERSON, LEIF	GREIST, RAYMOND L.	LYNCH, CORNELIUS H.
BENSON, CARL J.	GUTHRIE, ROBERT G.	LYON, SIDNEY P.
BREADY, JAMES I.	GRANT, JOHN A.	McLAUGHLIN, HUGH D.
BONILLA, RICHARD B.	HALL, THOMAS W.	MARTISON, ALBERT N.
CARLSON, JOHN C.	HARRIS, HERMAN	PETERSON, HAROLD C.
CHAPIN, WILLIAM J.	HEMPSTED, JAMES E.	SARIO, FILOMON
COOK, ELLIS C.	HENRY, GEORGE	SCHWACHTGEN, EDWARD
COOLIDGE, ROBERT H.	HOVEN, ALFRED C.	SMELY, JAMES
CURTIS, HARRY E.	HAVLICK, SPENCER N.	WILSON, EMORY K.
DAVIES, LYNN E.	JONES, L. ERIC	WINKLESS, PAUL E.
ERICKSON, WILLIAM U.	LAKE, CLAUDE C. JR.	ZINN, EARLE K.
	LOEWE, RUDOLPH P. R.	

*Students in Electrical Engineering*

ANNING, JAMES L.	GORDINIER, LEONARD L.	KLENZY, ROBERT O.
BUSBY, FRED E.	GRABENDIKE, CLARENCE A.	MAHON, RALPH A.
BLANDOW, WILBUR S.	GRADY, JOSEPH J.	MALWITZ, RAY C.
CAREY, J. MILTON	HOLMES, LEONARD M.	PRATT, THOMAS E. JR.
DODDS, EDWIN E.	HUBER, HAROLD	RODRIGNEZ, LUIS E.
DIERFIELD, ARNOLD H.	ILLG, ROBERT	SHERWOOD, GLENN L.
ENGEL, LAURENCE F.	JOHNSON, FRANKLIN L.	STUDTMANN, HARRY C. JR.
FINN, BERNARD L.	KIHLSTROM, HARRY C.	TABACHNIK, ABRAHAM
GOODHEIM, FRED	KLAWIKAWSKI, ANTHONY J. JR.	VORKOPER, ROBERT C.
WENNER, ALFRED T.		WING, HENRY R.

*Students in Civil Engineering*

ANDERSON, HOMER	LANDT, WALTER E.	OIEN, ARTHUR A.
BURDA, JOSEPH, JR.	McSHANE, CHARLES L.	PASSIALIS, GUST
BECHE, HORACE M.	MACDONALD, FREDERICK	ROLLMAN, HERBERT F.
HERTWEG, FRED A.	MANCHEE, REGINALD P.	SILVERMAN, HERBERT
KECH, ALPHONSE L.	MATSON, EUGENE	SNYDER, JOHATHAN L.
	WINBLAD, HUGH	WYNNE, HUGH

*Students in Chemical Engineering*

ANDERSON, EDWARD R.	DIETZ, CHARLES J.	SCHARF, ELMER
BECK, RALPH D.	FREY, CHARLES W.	SCHRAM, ROBERT L.
BEIL, RICHARD D.	FRANKLIN, BENJAMIN	SHIPMAN, PAUL R.
BENSON, EDWIN E.	COSHORN, JAMES G.	STERN, PAUL L.
BRENNAN, RICHARD W.	JUDSON, LYMAN D.	THOMPSON, ALBERT J.
BRUEKNER, MYNHART O.	KRUSE, RUDOLPH W.	TOUGH, GEORGE F.
BUTTERMAN, CHARLES F.	LYON, ARTHUR	VOGT, EMIL G.
DITTLINGER, BRUNO	MAUSLEY, ZENE R.	WOHLGEMUT, BRUNO E.
	RUTISHAUSER, DONALD C.	

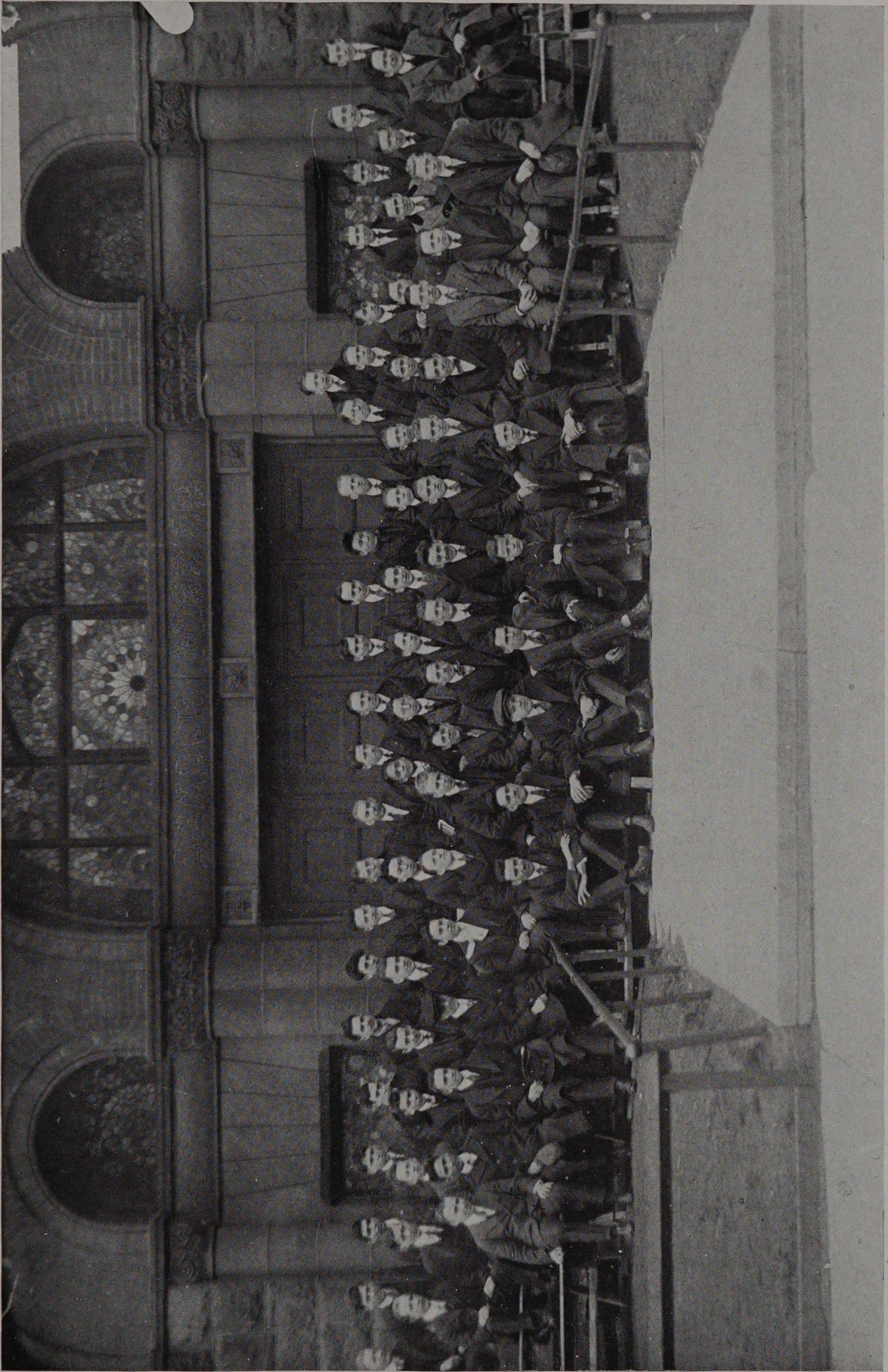
*Students in Fire Protection Engineering*

BISSEL, WOODBRIDGE	KINGSLEY, WILLIAM E.	MALLORY, DEANE H.
MINTZ, CHARLES W.	ROLLER, ROBERT	

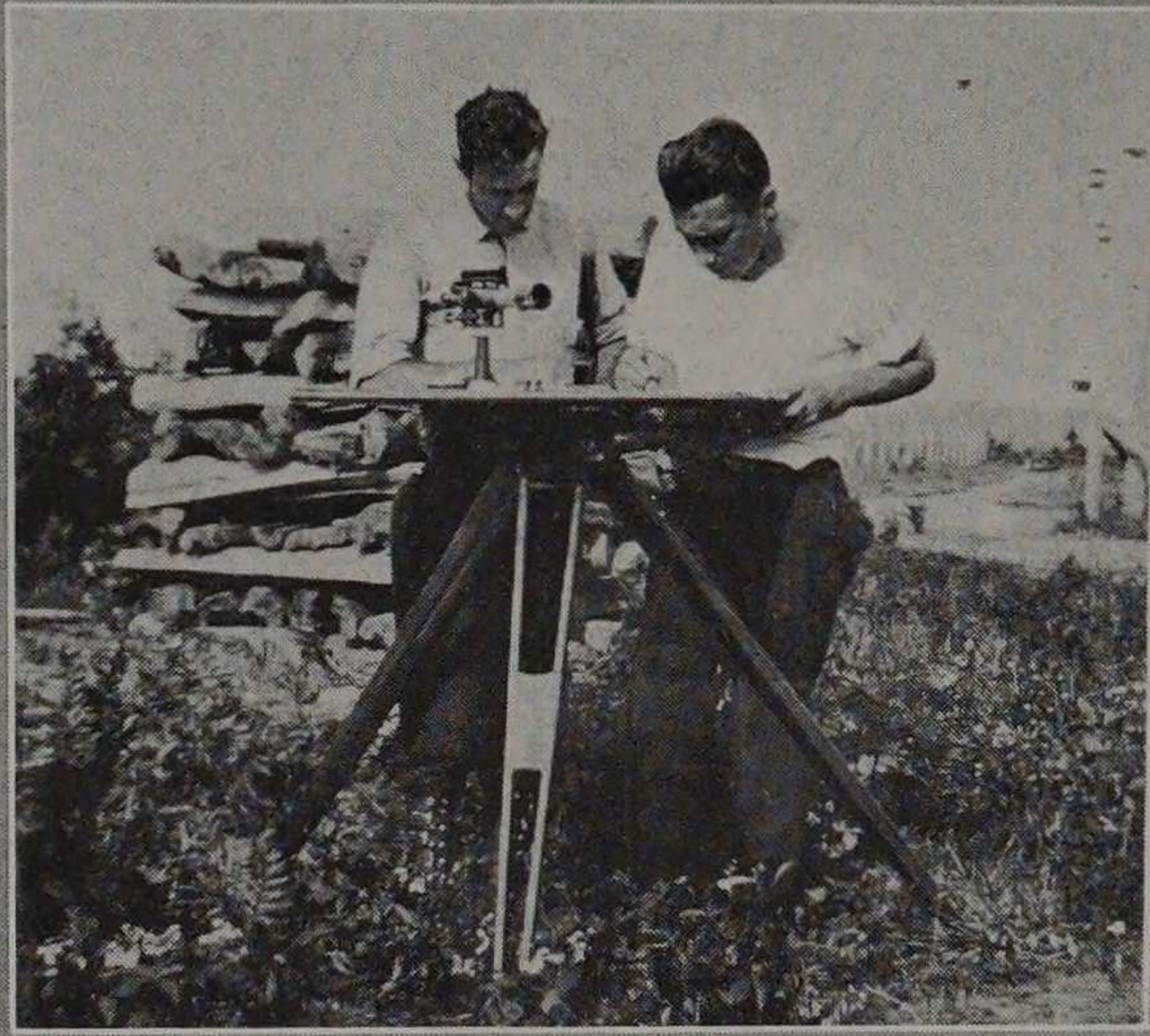
*Students in Architecture*

ABLAMOWIC, SIGMUND V.	JACOBS, RUFUS M.	SASSE, HUGO F.
ARKMAN, WILLIAM M.	JACKSON, RONALD M.	SPIIZNER, ROY N.
AUNER, CLEON M.	KARLSON, JOSEPH A.	STEINBERG, EDWARD
CARDWELL, ELLIS H.	LARSON, GODFREY E.	SZWAJKART, EUDENE W.
CHARLES, ELLIS H.	LEDEBUHR, ARTHUR	TITUS, ARMOUR
DENTON, LAURA	NORDWELL, CLARENCE E.	VAN VLISSINGIN, ELEANOR D.
FIELD, JESS R.	NEDVED, RUDOLPH J.	WEBER, ARTHUR M.
FOLEY, ALFRED W.	O'CONNOR, WILLIAM J.	WELLS, GEORGE E.
HINKLEY, F. CLARE	POPKIN, JACOB	WU, WILLIAM H.

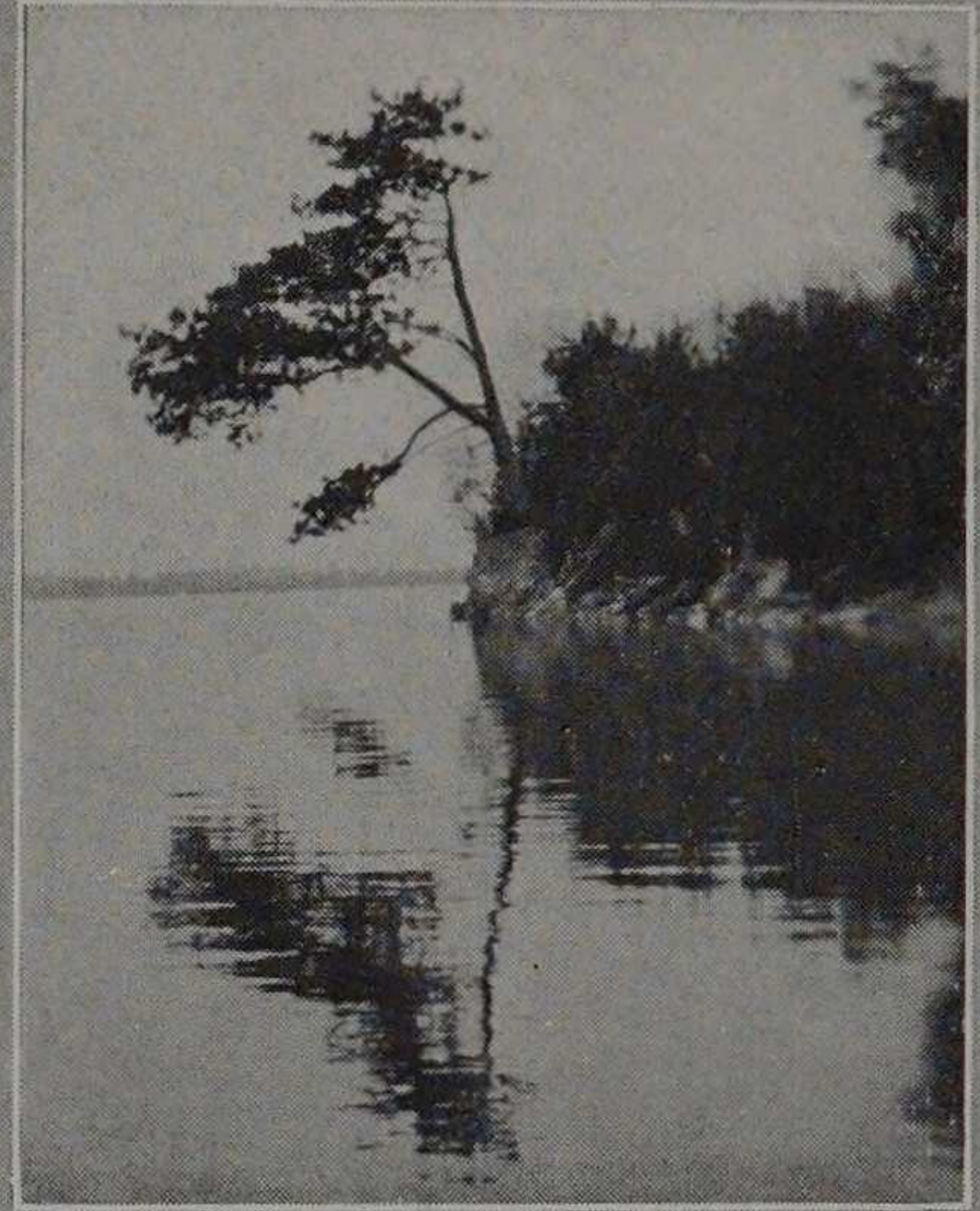








Summer  
Camp  
Scenes



1  
9  
1  
6



## Summer Camp 1916



One Friday evening, the first part of June in 1916, a mysterious group of young men gathered in the Union Depot, Chicago. It was not their appearance which was particularly mysterious, but the fact that each of them carried a polished wooden box. These boxes were not all the same size nor the same weight, judging from appearances. About seven-thirty, these twenty or more persons boarded a "Chicago, Milwaukee and St. Paul" train and quietly left the city.

The Saturday morning following this quiet exodus from Chicago, the same party alighted from the train at Minocqua, Wisconsin, and surrounded the post office; but to no avail for they had not yet been missed. After spending an hour or so in the town they boarded another train and noisily left the town.

About eleven o'clock the conductor announced "State House," and immediately they all arose, and each carrying a wooden box, left the train. The particular spot called "State House," along this railroad, was marked by a little platform, while the surrounding country seemed perfectly desolate. However, after walking for half a mile or so, a tile building was sighted, which was the destination of the party. This is the site of the Armour Summer Camp.

"Ah, Watson! The mystery is explained! Those boxes undoubtedly contain surveying instruments and this is a party of embryo surveyors."

"Duke" Smith, the colored cook who had accompanied us from Chicago, immediately started to get a meal together while the boys walked around picking out suitable sites for their tents. About two o'clock Duke blew the horn and we sat down to our first camp rations. The afternoon was spent in pitching tents, and arranging camp for the six-weeks stay. Sunday was a windy, chilly day with occasional showers, and was spent by some of the seniors in rigging up a sail on one of the row boats and "cruising" up and down the lake. The boat had not been in the water long enough to close the seams, and it leaked like a sieve, but by constant bailing they were able to keep afloat long enough to move a perceptible distance. That evening, a ball game was staged with the men from the State House, near by, and was lost by us because at the beginning of the game, the boys wished to encourage the State House fellows—but the encouragement was carried too far.

Professor Penn had been ill for some time because of an operation, and was not with us at this time, so Monday morning "Pa" Phillips started the work by sending out parties of two each to run a "level" circuit. Following this we used the transit in running "traverses" and "laying out" curves. Two weeks after work had started Professor Penn arrived, and was heartily welcomed by everyone. He then took charge of the surveying work, and we laid out a mile of "railroad," drew the profile, determined a "grade line," and then "cross-sectioned" our traverse to determine the "cut" and "fill". The true meridian was determined by observations on the sun. It was during these observations that sun-burned faces were in vogue.

The topographic surveying was done, near the State House, on the "Point," a piece of original pine forest which, as its name implies, extended out into the lake. That which was unfinished by "stadia" was done in outline with the "plane table". The last few days of camp were spent in putting up triangulation stations at various points around the lake shore; in measuring the angles between them; in establishing and accurately measuring a "base line;" and in making soundings along these triangulation lines of the lake depth.

One of the principal features of the camp was "Duke," the cook. He used to stay up and sit on the edge of his cot every time we had a thunder-storm at night. The next day it was dangerous to ask him for a second piece of pie because he would be cross from lack of sleep. His favorite sport was to go down to the pier, lie flat on his stomach and dangle a fish-hook in the water until some unsuspecting fish swam over it. Then he would deftly jerk his line so that the fish would be hooked. He really was remarkably successful with this method of fishing. Needless to say it was only a slow and awkward sort of a fish that could be caught in this manner. Duke was a celebrity in his home town (Evanston), being the leader of the band, and a member of the quartette.



## THE CLASSES

During the first two weeks of camp the nights were cold, and we built large camp-fires, and sat around them, burning the soles of our shoes while chilly sensations ran up and down our backs. You can't keep warm before a camp-fire unless you keep turning around.

Camp sports varied, some specializing on fishing and others on building piers and cocks. Stried and "Pete" became famous as builders, but all of us "got in" on carrying, for a mile or so, the thirty-foot rail which was to be used in anchoring the floating dock.

Canoeing became popular through the kindness of John Siman, a guide who had a cabin near camp. He owned two canoes and was very generous in allowing the fellows to use them. Five of the seniors took a two-day trip just before the "Fourth" and four more took a trip the following week. Canoeing on the little creek which ran out of Trout Lake was real sport, as the creek was swift and crooked.

Everyone enjoyed the swimming, especially the last two weeks when the water was warm and the weather was inviting. During this period some of the fellows made a practice of going in three times a day; even getting up in time to have a swim before breakfast.

There were lots of fish in the lake and some of the boys were anxious to catch some of them. "Jim" Harvey caught some large trout and Penn actually caught a few bass. Chase spent a lot of time carrying a rod around and "Mike" Chun was an enthusiastic fisherman, but, all in all, Duke was the most successful, and all he needed was a bent pin.

Social events consisted of phonograph concerts whenever someone would run the machine, and ice cream socials on Sunday afternoons. The cream was obtained from one of the few farms of the region, and the boys would freeze it after Duke had put in the proper flavoring. Each person received a bowl-full and so very few were capable of a second helping. The first of July there was a dance at Whitbeck's Resort down the lake, to which everyone went, although all of the fellows did not join in the dancing. How they could resist is beyond explanation. Mr. Whitbeck gives this dance annually before the regular season in order to give his help a good time.

Boulder Junction, however, proved to be the real social center of the vicinity. Very frequently, in fact several times in one week, four or five of the socially inclined were observed to dress up in white collars, and walk "the ties" for five miles in order to call on the girls of Boulder. The only reason that more fellows didn't go was that there were not enough girls. Following the track back home again in a pitch darkness about midnight, was one of the joys of the camp.

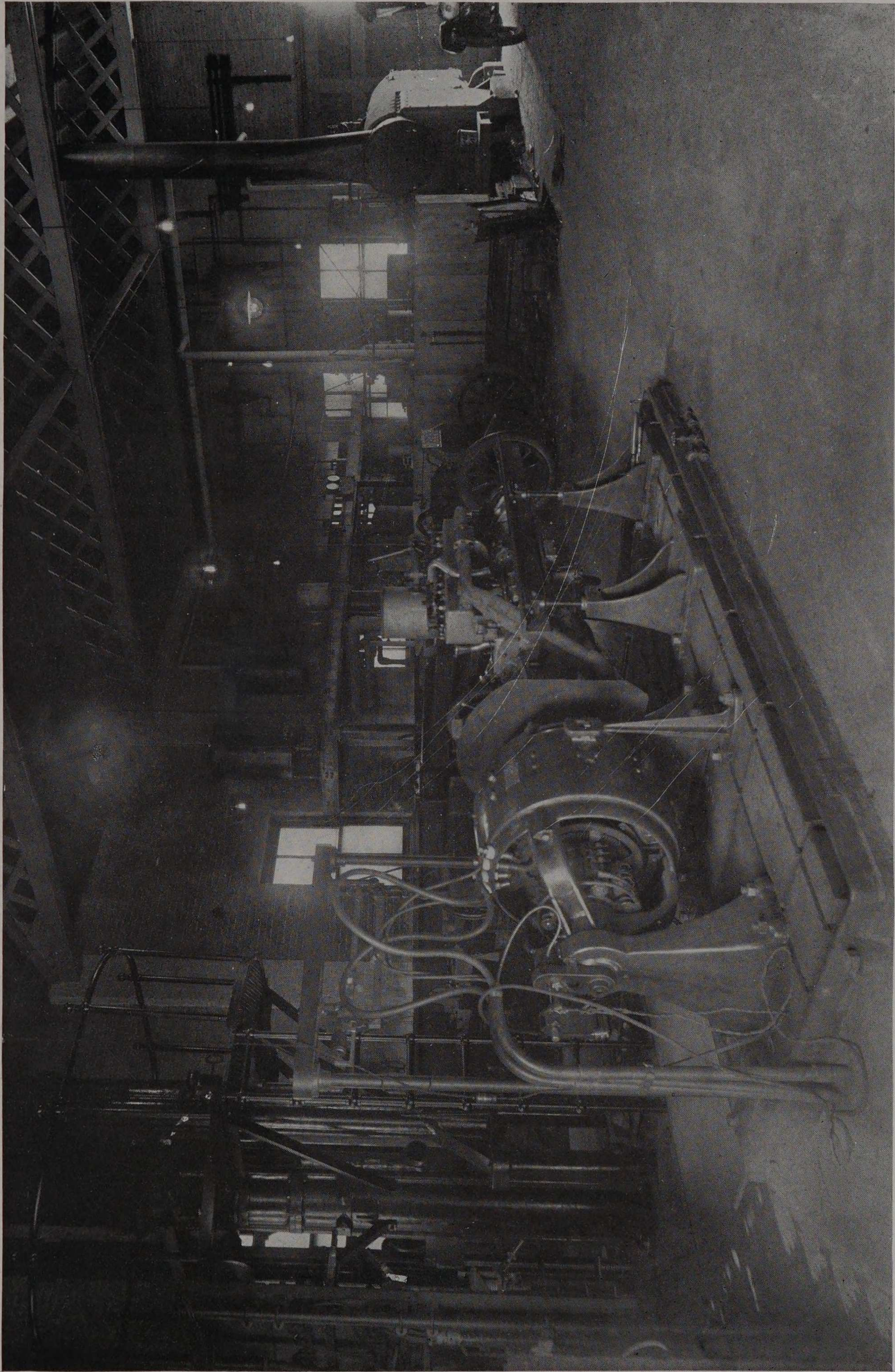
Friday, July 14th, camp was broken, everything was packed up, and twenty or more fellows, accompanied by a hilarious colored "gentleman," and each carrying a polished wooden box, boarded the train at State House and left for parts unknown.

In order that they may be apprehended the following list of those known to have been in the party, is published:

SMITH, '17		PASKILL, '17
HARVEY, '17		SHAW, '17
TIERNEY, '17		PEDERSON, '17
KLEINMAN, '17		STRIDE, '17
ANDREN, '17	NITKA, '18	WEISS, '18
NUSSER, '17	CHASE, '17	ALMQUIST, '19
CHUN, '17	NOTHELPER, '18	DIERSTEIN, '18
WALDER, '17	LAKE, '19	GOLD, '19





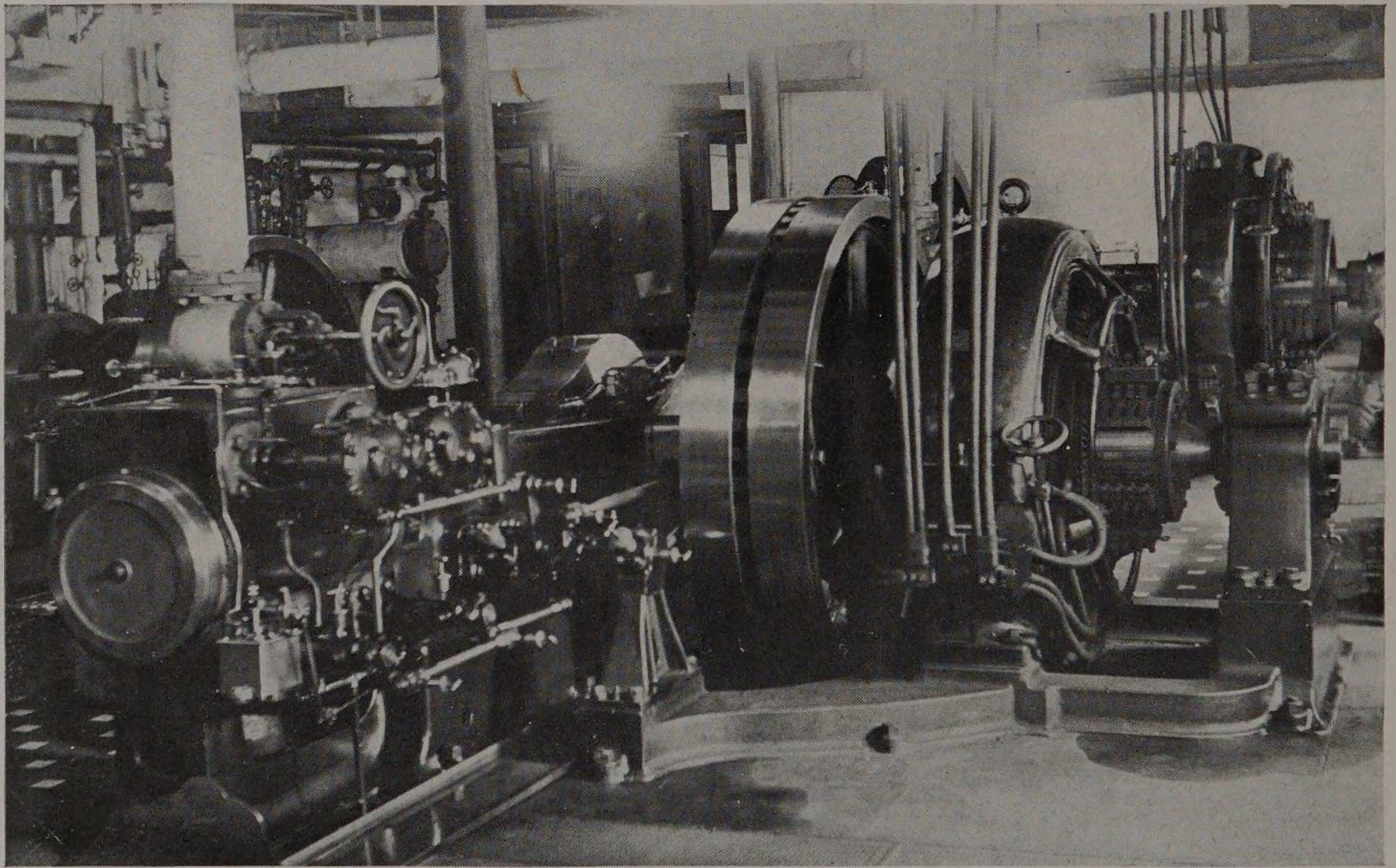


REFRIGERATION LABORATORY





FOUNDRY



ENGINE ROOM





ORGANIZATIONS

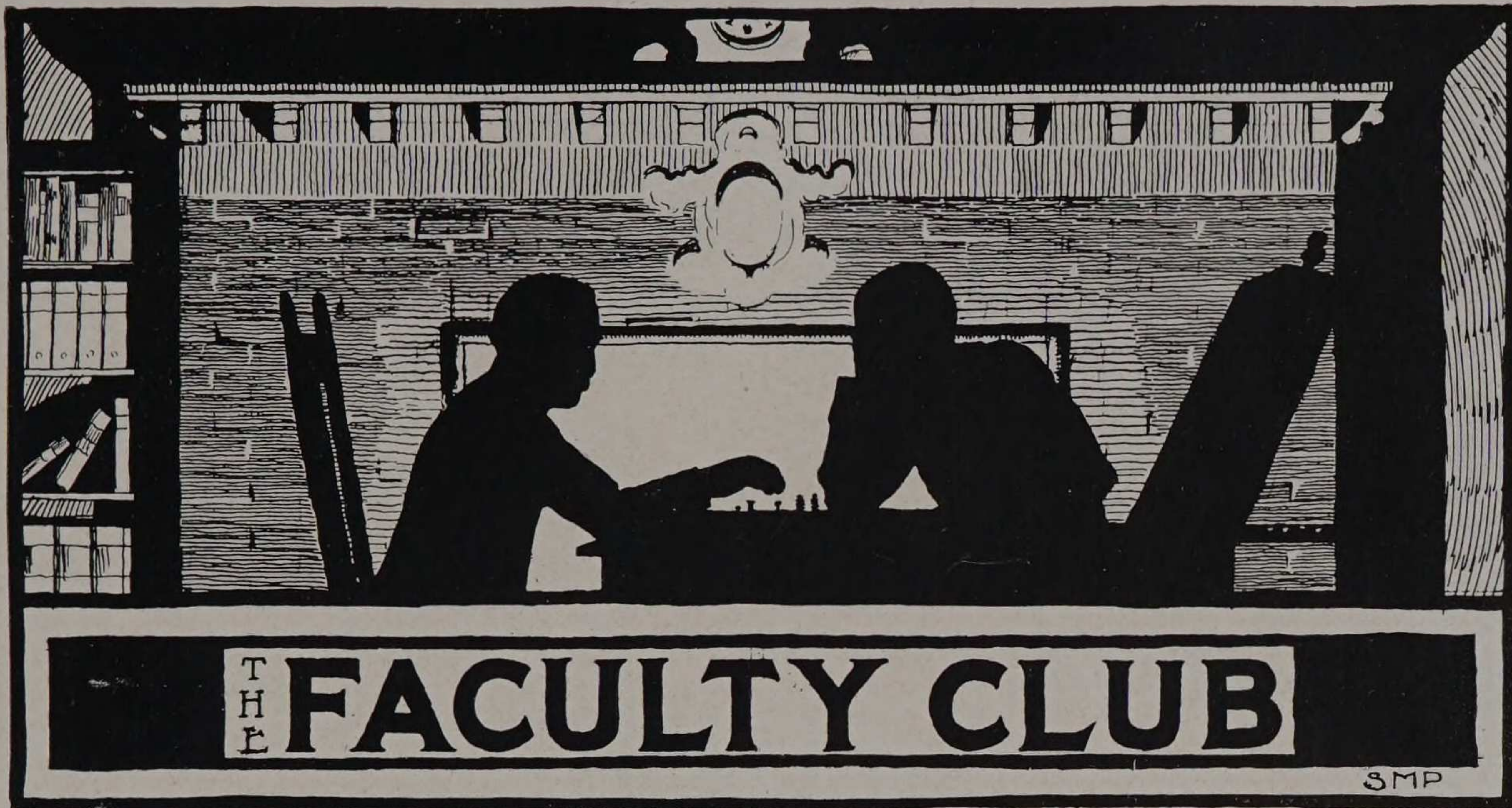
TWERY







ORGANIZATIONS



Armour Faculty Club

OFFICERS

F. U. SMITH . . . . .	<i>Honorary President</i>
W. K. SMART . . . . .	<i>President</i>
C. T. PALMER . . . . .	<i>First Vice-President</i>
J. C. PEEBLES . . . . .	<i>Second Vice-President</i>
P. C. HUNTLY . . . . .	<i>Secretary</i>
M. B. WELLS . . . . .	<i>Treasurer</i>

HOUSE COMMITTEE

F. U. SMITH	W. L. LADD	M. B. WELLS
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MEMBERSHIP COMMITTEE

E. D. AGLE	J. J. SCHOMMER	P. C. HUNTLY
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CIGAR COMMITTEE

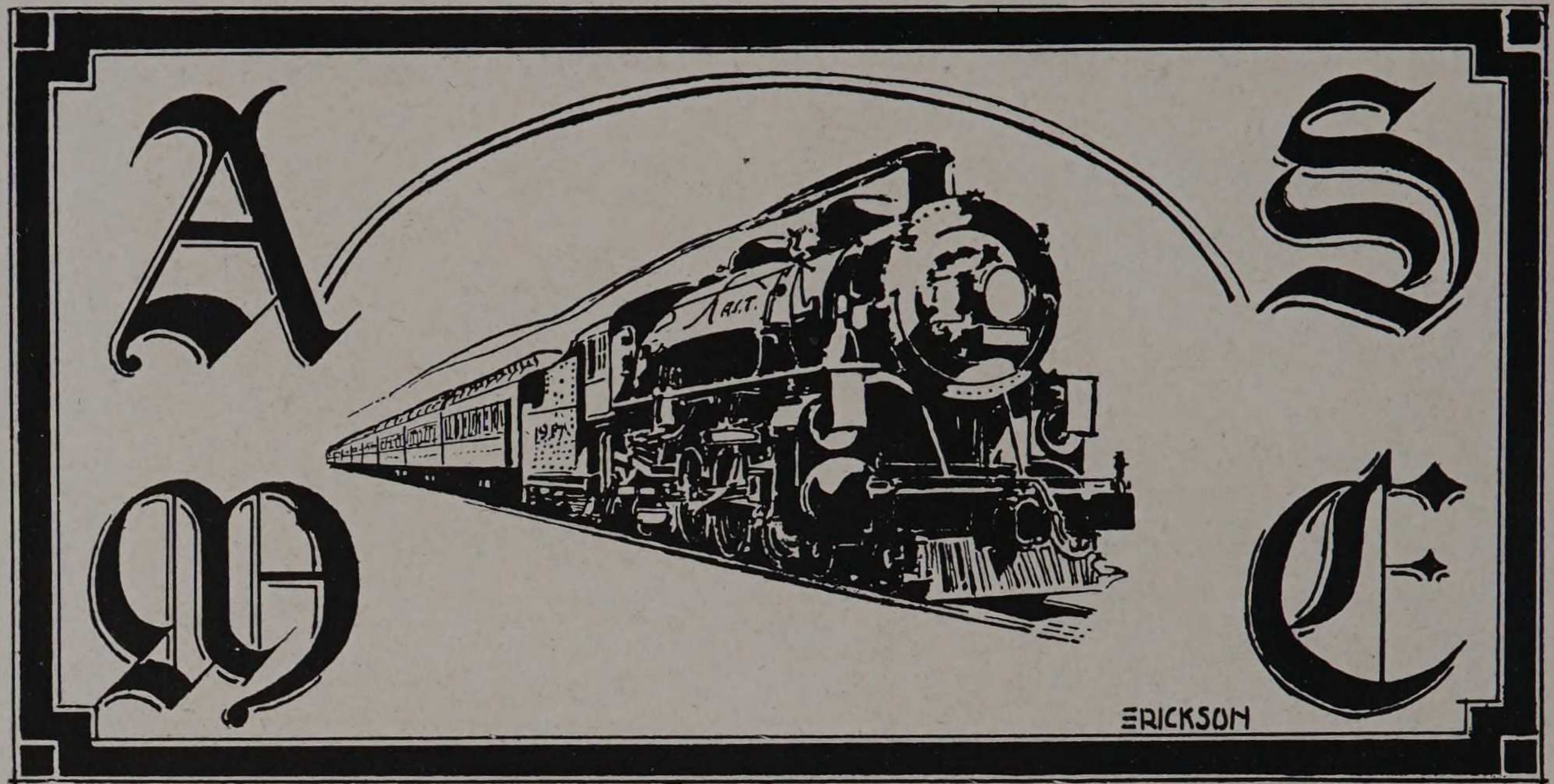
G. S. ALLISON	R. V. PERRY	A. E. PHILLIPS
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MEMBERS

E. D. AGLE	G. F. GEBHARDT	H. L. NACHMAN	D. ROESCH
C. S. ALLISON	J. J. GILBERT	C. A. NASH	G. L. SCHERGER
A. H. ANDERSON	F. W. GUNSAULUS	C. T. PALMER	J. J. SCHOMMER
H. J. ARMSTRONG	P. C. HUNTLY	C. E. PAUL	W. K. SMART
D. F. CAMPBELL	W. C. KRATHWOHL	J. C. PEEBLES	F. U. SMITH
O. C. CLIFFORD	W. L. LADD	J. C. PENN	W. G. SMITH
C. B. COOPER	C. L. LARSON	R. V. PERRY	J. E. SNOW
S. DEAN	C. U. LEIGH	N. P. PETERSON	C. R. SWINEFORD
J. B. FINNEGAN	E. S. LIBBY	A. E. PHILLIPS	F. TAYLOR
C. H. FORNHOF	H. McCORMACK	H. B. PULSIFER	H. B. THOMAS
E. H. FREEMAN	G. E. MARSH	H. M. RAYMOND	C. A. TIBBALS
B. B. FREUD	L. C. MONIN	J. S. REID	M. B. WELLS
D. B. MORETON		G. M. WILCOX	H. G. D. NUTTING



ORGANIZATIONS



**American Society of Mechanical Engineers  
Armour Student Branch**

OFFICERS

PROF. G. F. GEBHARDT	Honorary Chairman
GEORGE M. FRITZE	President
CHAS. R. POMEROY	Vice-President
E. W. HAINES	Secretary
HAROLD S. WHITE	Treasurer

The great enthusiasm shown by the members and the large attendance at every meeting of the society have been due to the adoption of the suggestions of Prof. Gebhardt. Prof. Gebhardt has often urged that the fundamental purpose of the engineering society was to give every member the opportunity of talking before the body, so that the members might obtain practice in presenting their subject in clear and concise terms. The senior members decided, therefore, to carry out this idea throughout the year; and the results have far exceeded anything that was anticipated.

Two interesting meetings were held in September for the Seniors. A great deal of business was transacted, the short talks were given by Messrs. Luttge, Armspach, and Bauer. It was decided to give an opening smoker upon the evening of Oct. 4th, at which the Juniors would be guests and should be initiated into the aims and purpose of the society.

The large and enthusiastic attendance enjoyed the "smokes" and "eats" and the high-class entertainment furnished by Prof. Smith, and Messrs. Huffaker, Fritze, Armspach, and others. The Juniors were out in good numbers, and through the earnest talks of the professors were acquainted with what was expected from them as members of the society.

The meetings following have been held semimonthly on the second and fourth Wednesday of the month. Among the many speakers and subjects presented the following are of especial note: Mr. Goodman, "Submarine Signaling;" Mr. Haines, "The Owen Magnetic Car;" Mr. Huffaker, "The Manufacture of Glass Bottles;" Mr. King, "Automobile-Engine Lubrication;" Mr. Bretting, "Construction of Steel Stacks;" Mr. Polcinsky, "The Modern Submarine;" Mr. Robeck, "Oil Testing;" Mr. White, "The Wood Dual-power Automobile;" and Mr. Thal, "Automobile Ignition."

On the evening of Feb. 14, Prof. Gebhardt addressed the society upon the subject of "Requirements of the Engineering Graduate." Many Freshmen and Sophomores turned out; and every man present benefitted by hearing of the personal experience and kindly advice of our "Boss". An interesting and helpful illustrated talk was given by Mr. Swineford at the regular meeting of Feb. 28 on the subject of "Factory Insurance and Inspection."

Two other important social gatherings of the society were the annual banquet held at Kunz-Remmlers on Dec. 20, and the Smoker held in the Y.M.C.A. rooms on the evening of March 8, to which the Freshmen and Sophomores were invited as guests. These were well attended and acclaimed decided successes.

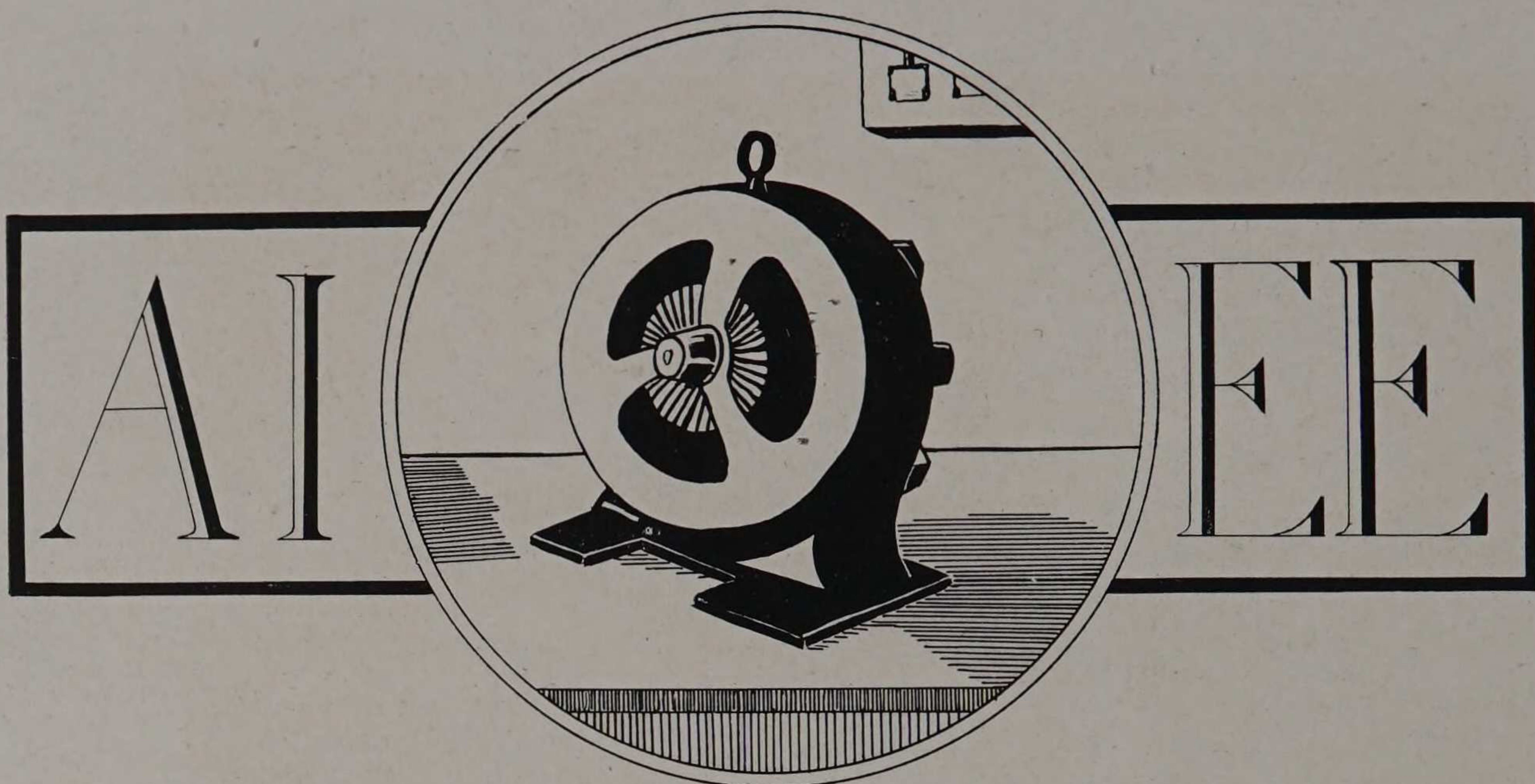


ORGANIZATIONS



KING	WHITE	FRIITZE	HAINES	MARKS	KERR
PLOCINSKY	MORSE	HUNTLEY	BRETTING	HUFFAKER	COOPER
ARMSPACH	STEINDLER	ROBECHER	POMEROY	THAL	





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

OFFICERS

RALPH H. EARLE	<i>Chairman</i>
HAROLD A. KLEINMAN	<i>Secretary</i>
WILLIAM T. WATT	<i>Treasurer</i>

The Armour Institute of Technology Branch of the American Institute of Electrical Engineers was organized February 26, 1903. The object was to give the students of electrical engineering an opportunity to hear and meet men prominent in the profession, and to prepare and discuss papers upon subjects of a technical or electrical nature.

The meetings during the past year have been very interesting and the students who have taken advantage of this opportunity to present a paper have brought credit to themselves and to the organization.

We feel particularly indebted to Professor Freeman for his interest and active work and we take this opportunity to thank him. We are also grateful to the men from various fields of activity who have addressed us during the year.

The meetings and speakers for the year were as follows:—

October 5, 1916—Smoker.

October 24, 1916—“The Cost of Maintenance of Large Storage Battery Plants.”

Mr. James D. Harvey, Jr.

“Ignition Problems in Modern High-Speed Multi-Cylinder Gas Engines.”—

Mr. Earl H. Smith.

November 16, 1916—“Voltage and Current Regulation of Automobile Starting and Lighting Systems.”—Mr. L. H. Rosenberg.

“Electric Clocks.”—Mr. H. A. Kleinman.

December 21, 1916—“The Engineers Personal Equipment.”—Prof. E. H. Freeman.

February 6, 1917—“A Radio Demonstration and Lecture.”—Mr. H. D. Stevers and Mr. R. H. G. Mathews.

February 28, 1917—“Lake Spaulding Hydro-Electric Development.”—Slides from the Pelton Water Wheel Co. Professor E. H. Freeman and Assistant Professor Stanley Dean.

March 6, 1917—“The Organization of the Western Union Telegraph. Company”  
Mr. Drew, Acting Division Traffic Engineer.

March 27, 1917—“Commonwealth Edison Substations.”

Mr. Grover of the Commonwealth Edison Company of Chicago.

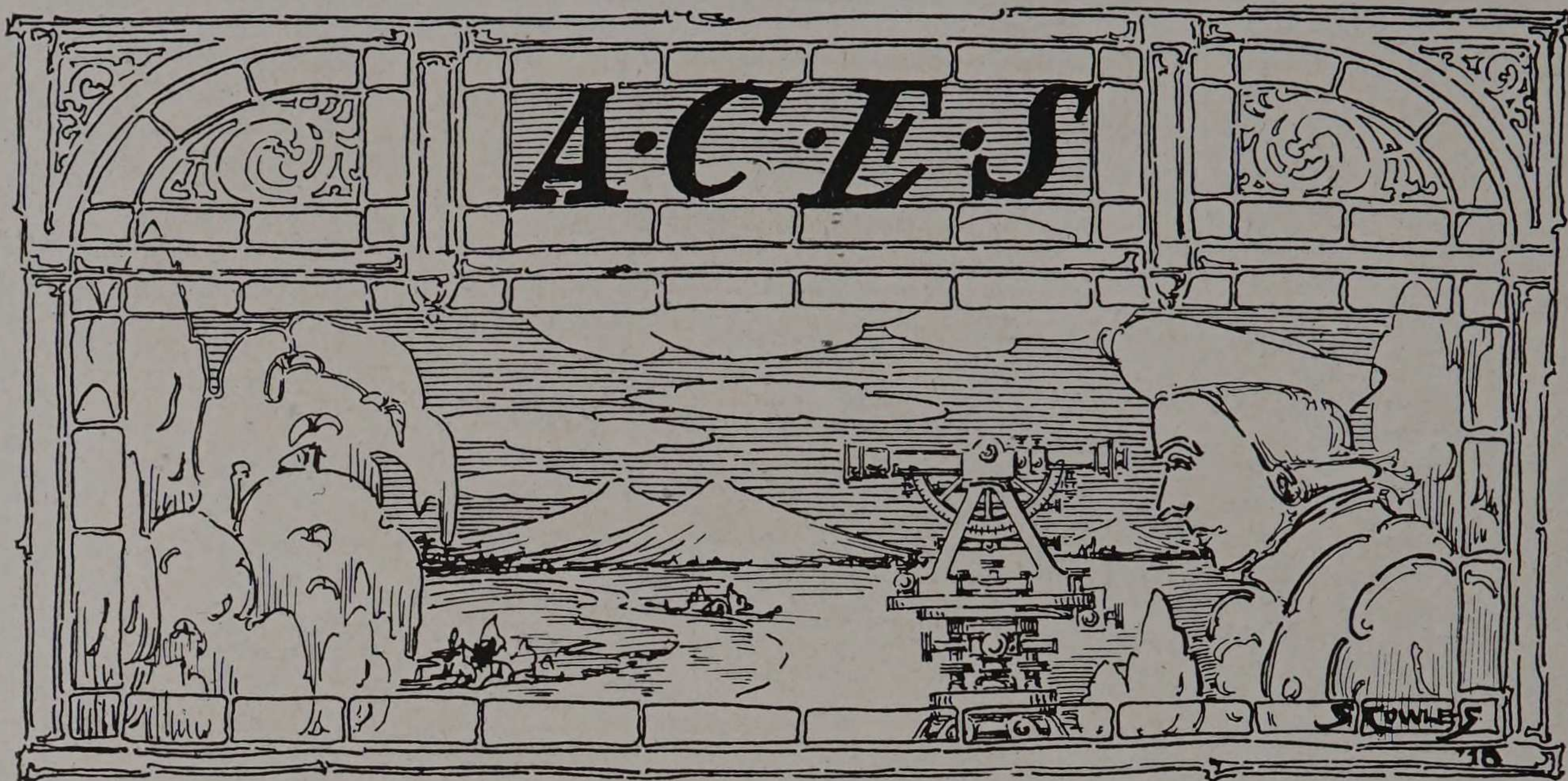


ORGANIZATIONS



ZIMMERMAN	PROCHASKA	KUPSHAS	WATT	STRYKER	TIERNEY
SMITH	ANDERSON	GOLDBERG	NITKA	VOGDES	HOFFGREN
MATHEWS	HARVEY	FARLE	ROSENBERG	SCHUEUR	BENJAMIN
	PORGES	MOORE	NEWLANDER	CROWN	WEISS





## Armour Civil Engineering Society

A. L. SCHREIBER . . . . .	<i>President</i>
L. E. STARKEL . . . . .	<i>Vice-President</i>
S. N. MILLER . . . . .	<i>Recording Secretary</i>
H. W. STRIDE . . . . .	<i>Corresponding Secretary</i>
C. L. SHAW . . . . .	<i>Treasurer</i>

### BOARD OF DIRECTORS

ASSO. PROF. M. B. WELLS . . . . .	<i>Faculty Member</i>
S. W. NEWMAN . . . . .	<i>Student Member</i>

The Civil Engineering Society was organized in 1905, for the purpose of convening the upper classmen at frequent intervals for the discussion of topics pertaining to the Civil Engineering profession. The policy of having papers prepared and read by the student members was gradually displaced in favor of that of hearing addresses by men actively engaged in engineering practice. This plan has been followed as much as possible during the past year, the only exception being that of having biographies of great engineers read by student members at those meetings for which professional men could not be secured.

Meetings have been held as follows:

Oct. 9th, 1916—As usual the first meeting of the year was devoted to a smoker and invitation to new members.

Oct. 24th, 1916—Joint meeting with the A.S.M.E. Mr. Wm. V. Lindbloom, an old Armour man, discussed "Scientific Management."

Nov. 7th, 1916—Talks were given by Mr. Miller and Mr. Newman on their summers' experiences with different railroads.

Nov. 21st, 1916—"Aesthetics of Bridge Design" by Prof. Wells. This was an illustrated lecture and proved most interesting.

Dec. 5th, 1916—"Experiences with the City Bridge Department" by Mr. Bley. The speaker has had a wide experience, and presented his subject in a new and interesting light.

Dec. 19th, 1916—"What an Employer expects of a Young Engineer," by Mr. F. L. Stone, Consulting Engineer for the C. B. & Q. R. R. This was the best talk of the year in that it was concerned with those subjects in which we, soon to commence work, are particularly interested.



ORGANIZATIONS



GOLDBERG	PEDERSON	STRIDE	SHAW	MILLER	SELIGER	NITKA
CRAMER	WALDER	WELLS	PHILLIPS	STARKEL	NEWMAN	
PETERSON	SMITH	SHREIBER	HARVEY	CROWN	WEISS	



ORGANIZATIONS



## The Armour Chemical Engineering Society

A. H. SMITH	<i>President</i>
D. E. CABLE	<i>Vice-President</i>
A. G. FITZNER	<i>Secretary</i>
O. L. HAILEY	<i>Treasurer</i>

The society was organized in February 1903 for the purpose of bringing the students in chemical engineering into closer contact with one another and to assist them in their pursuance of that study by lectures from members of the alumni and faculty and also the professional men engaged in chemical engineering work.

Our first session was held September 13th, 1916, at which time we decided to continue the policy of holding the meetings in the afternoons whenever possible on account of its convenience to our members and its proven success. It was also decided to have more outside speakers than heretofore and this policy has been the source of many interesting lectures.

On October 24th, 1916, Professor McCormack gave a lecture on "What Determines the Value of the Engineer to His Employer." This was the first lecture of the year and its practical nature and personal application was certainly appreciated.

On December 15th, 1916, the society was treated to a most novel lecture by Professor Harkins of the University of Chicago on the subject entitled, "The Periodic System." The topic was presented from an entirely new point of view, the arguments being based on experimental facts and data recently determined by the professor and his colleagues.

Other lectures succeeding these have been interesting and instructive and so far the society has had a very successful year. The events of the year are tabulated below:

Sept. 13th, 1916—Business Meeting.

Oct. 24, 1916—Prof. McCormack on "What Determines the Value of the Engineer to His Employer."

Dec. 15th, 1916—Professor Harkins on "The Periodic System."

Feb. 27th, 1917—Mr. Brewster of the Wisconsin Steel Company on "The Methods and Equipment."

March 13th, 1917—Business meeting.

April 12th, 1917—Prof. Harkins. Return Lecture on "The Periodic System."

April 18th, 1917—Annual Banquet.

May 1, 1917—Prof. Freud, "The Nature of Valence."

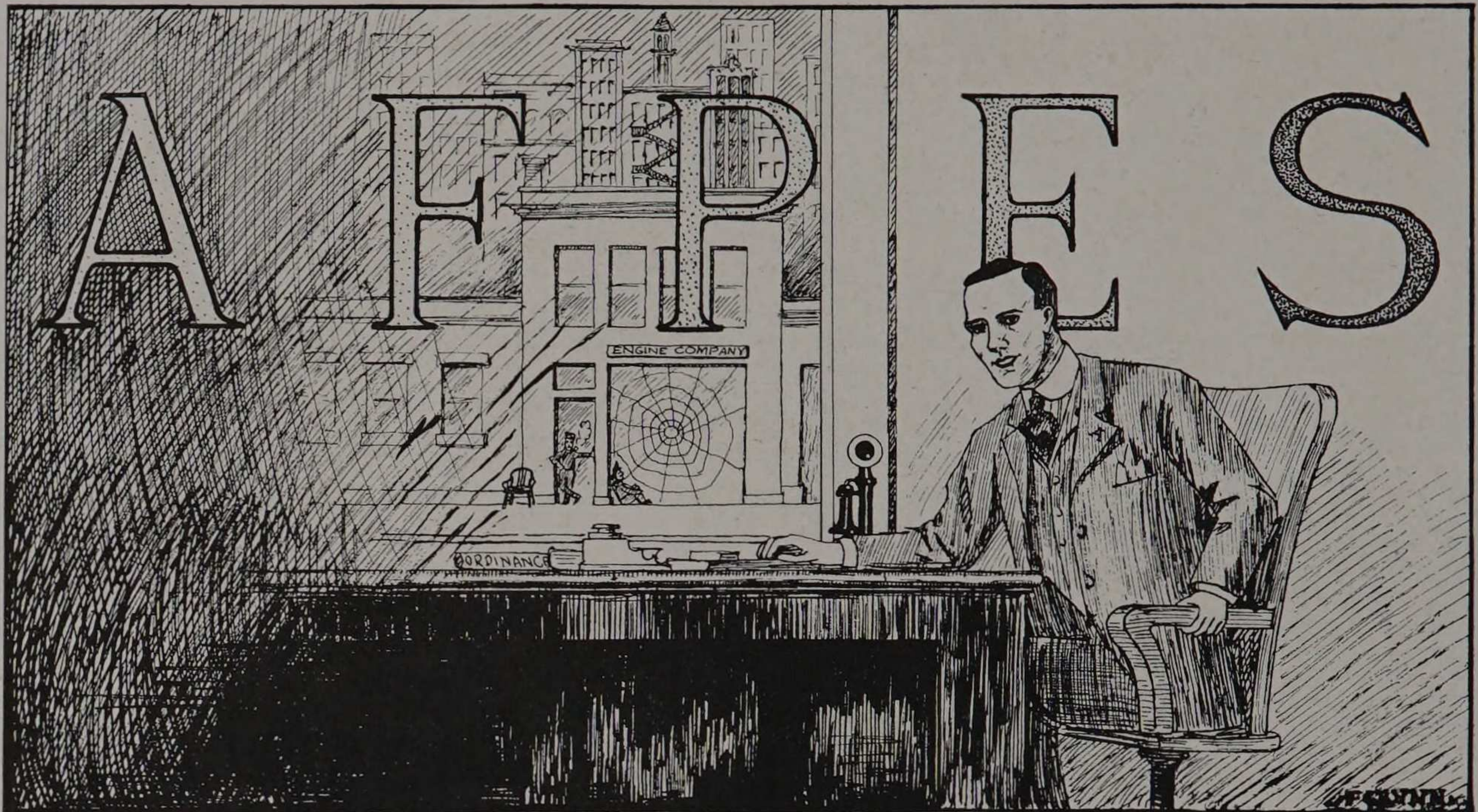


ORGANIZATIONS



KENDALL	JOHNSON	A. SMITH	MCCORMACK	FITZNER	PREST	FREUD
CABLE	FRIEDMANN	GOORSKY	PEARSON	EAGLE	EAGLE	MEASE
	RICHARDS	TIBBALS	DEAN	PULSIFER	WOLLASTON	
		BURDA	HANKAN	HANKAN	HAILEY	





## The Armour Fire Protection Engineering Society

### OFFICERS

A. CORMAN	President
H. B. MAGUIRE	Vice-President
H. W. PUSCHEL	Secretary
L. W. MATTERN	Treasurer

The Armour Fire Protection Engineering Society has reached the fourth year of its existence, each year having added its share to its success. This year has placed the society upon a very firm basis and brought the hearty support and co-operation of every eligible man for membership. A new constitution was drafted and passed which contained many measures necessary for the continued success of the society. On Oct. 24, 1916, the first smoker ever given by the society was held in the Y.M.C.A. rooms and proved to be a big success. The program for the year consisted of monthly lectures on subjects directly or indirectly relating to Fire Protection Engineering. The lectures were given by men who rank high in their respective occupations.

Dec. 7, 1916—Captain Joseph Mackey of Squad No. 1 of the Chicago Fire Dept.—“The Work of the Chicago Fire Department.”

Jan. 11, 1917—Mr. Fitzhugh Taylor, Fire Protection Engineer, Underwriters' Laboratories—“The Development of the Underwriter's Laboratories.”

Feb. 8, 1917—Mr. Gartside, Examiner, National Fire Insurance Co.—“Underwriting Methods.”

March 8, 1917—Mr. W. K. Munn, Ass't Chem. Eng., Underwriters' Laboratories.—“Chemical Hazards.”

April 12, 1917—Mr. C. Kuchler, Examiner, Insurance Co. of North America.—“The Duties of an Examiner.”

These lectures were of great interest and greatly appreciated by the large number who attended. This year has, no doubt, been the most successful year of the society.



ORGANIZATIONS



ROBERTS  
OWEN  
TROVNIC

MATTERN  
SCHREINER  
FISCHER

CONWAY  
HALL  
COLE

HOOSEMAN  
ALLPORT  
KULA

MANN  
FINNEGAN  
PETERS

BISSEL  
KUTTNAUER  
PUSCHEL

FOSCHINBAUR  
COWLES  
CORMAN



## ORGANIZATIONS



### The Atelier

#### OFFICERS

Massier	H. C. INGRAHAM
Treasurer	J. W. TURNER
Secretary	K. A. MCGREW

The efforts of the Atelier towards promoting scholarship and comradeship among those studying Architecture have been very successful this year, especially in large undertakings of an educational nature.

Soon after the elections, work was given out to the "Frosh" and the initiation followed. The ordeal proved most severe, and will long be remembered by those present. The usual banquet followed, at which Professor Campbell, Mr. Reed, and Mr. Lutz responded to Toastmaster Ingraham.

On January 22, 24, and 26, the Atelier secured the services of Mr. David Varon, who is widely known in Architectural circles. His three illustrated lectures on "Architectural Indication" were probably more instructive than anything heard here in a long time.

On February 20 came the Mardi Gras, the greatest social event of the year. The Architects gained fame because of their wonderful booth, and through their pageant representing "The Introduction of Renaissance Architecture into England." The booth was designed by Professor Campbell and built by the students. Mr. Reed conducted the Pageant.

During the year, the Seniors enjoyed many "inspection trips" around the city. One trip in particular a visit to some beautiful new residences under construction in Lake Forest, guided by Mr. Farrier, will long be remembered.

At this time the Seniors are working hard on their Traveling Scholarship Prize Problem, "A State Capitol Building," and according to precedent some fine designs will be turned out.

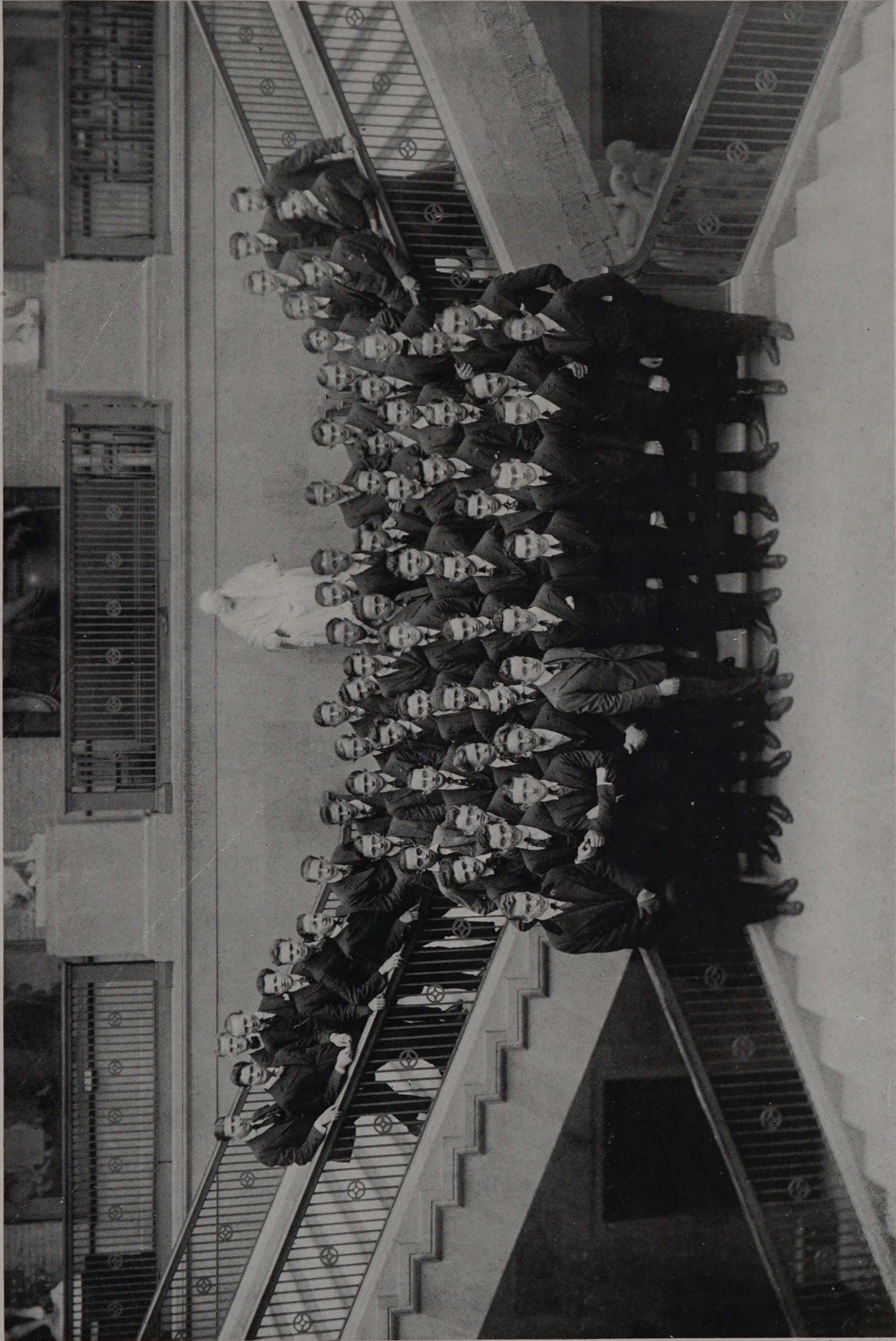
The future events consist of a series of lectures by Mr. Louis Sullivan, and a lecture by Mr. Robinson on "Period Furniture."

The Atelier Dance, which has become so famous in recent years, will take place shortly and is a red letter day in the calendar.

The boys, "Stanley," "Ing," "Spike," Allen, "Mike," "P. J.," Charley and "Mac" are leaving this spring and all may say that they are a credit to old Armour.



ORGANIZATIONS





ORGANIZATIONS



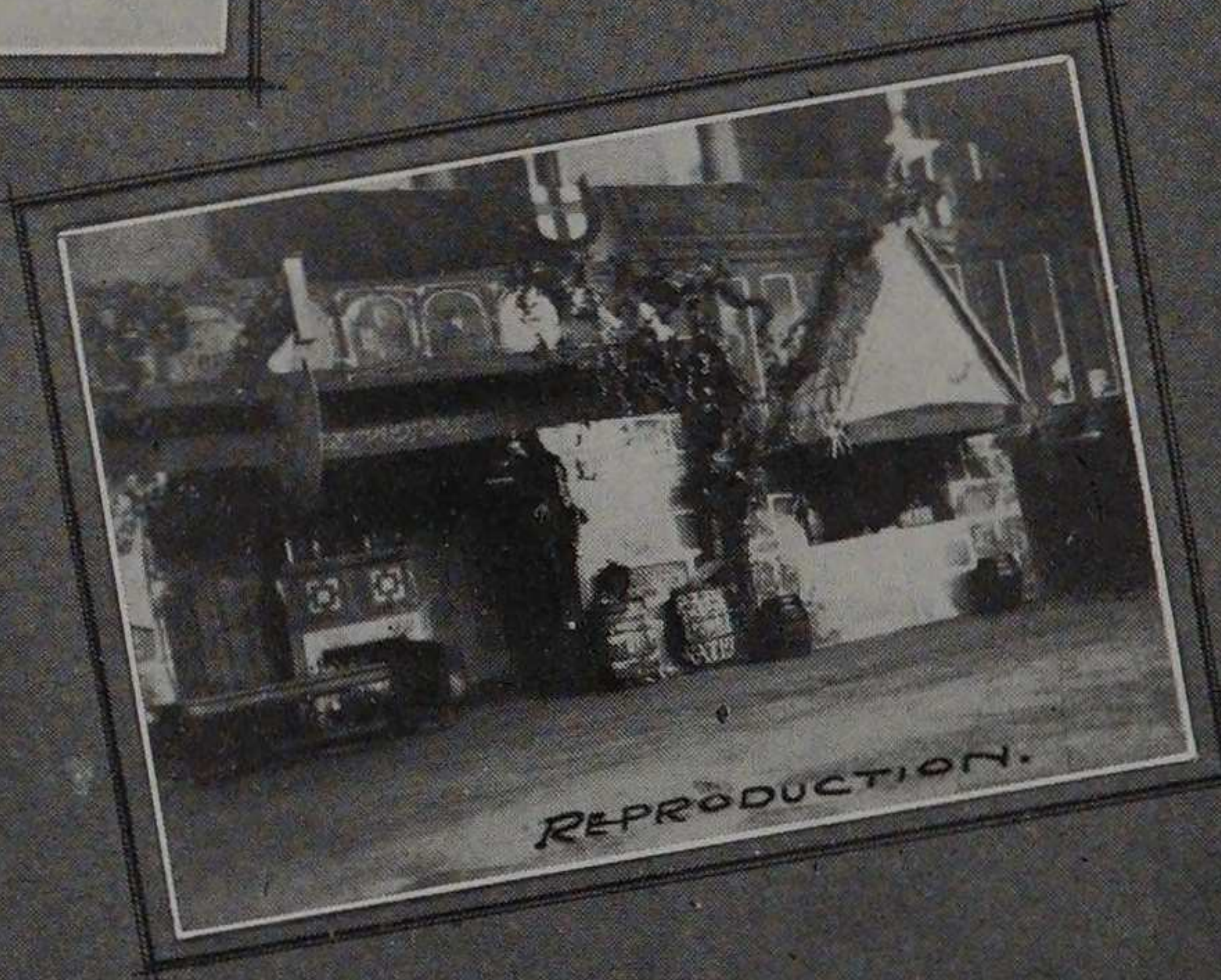
ARCHES.



SATCHA.



ORIGINAL SKETCH.



REPRODUCTION.



## ORGANIZATIONS

### An Apology

We wish to apologize to Miss Van Vlissingen for getting this picture under false pretenses, but hope that by the time school opens in the fall she will forgive and forget.

We know that the student body is not the only one that appreciates the presence of our Co-ed. As Mr. David Varon, artist and lecturer, once said in a lecture to the Architects, "The presence of a young lady in class furnishes an unconscious source of inspiration and refinement to the student body. This is realized by the faculty."

And, speaking of the Mardi Gras at the Art Institute, one would never suspect that the angelic face of a nun behind a stiff, starched head-dress was that of our Fair Co-ed!

We are glad that Miss Van Vlissingen did not go to California, and if she makes three more years of school life as pleasant as the first has been, she has fulfilled her duty to the Armour Institute of Technology.

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### The Sergeants at Arms



OLEKSY '20

MARKS '18

ROLLMAN '19



# ARCHITECTURE

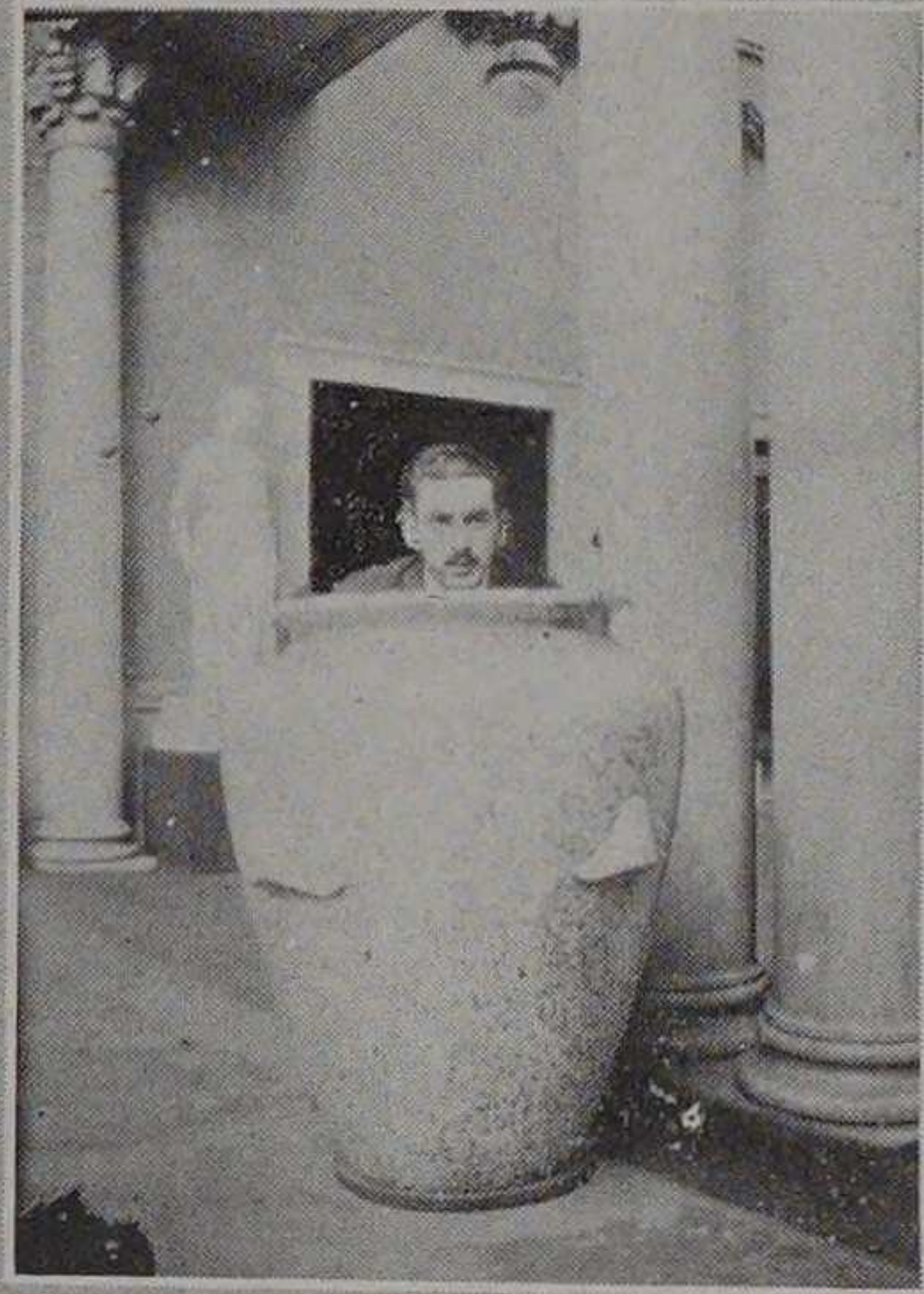
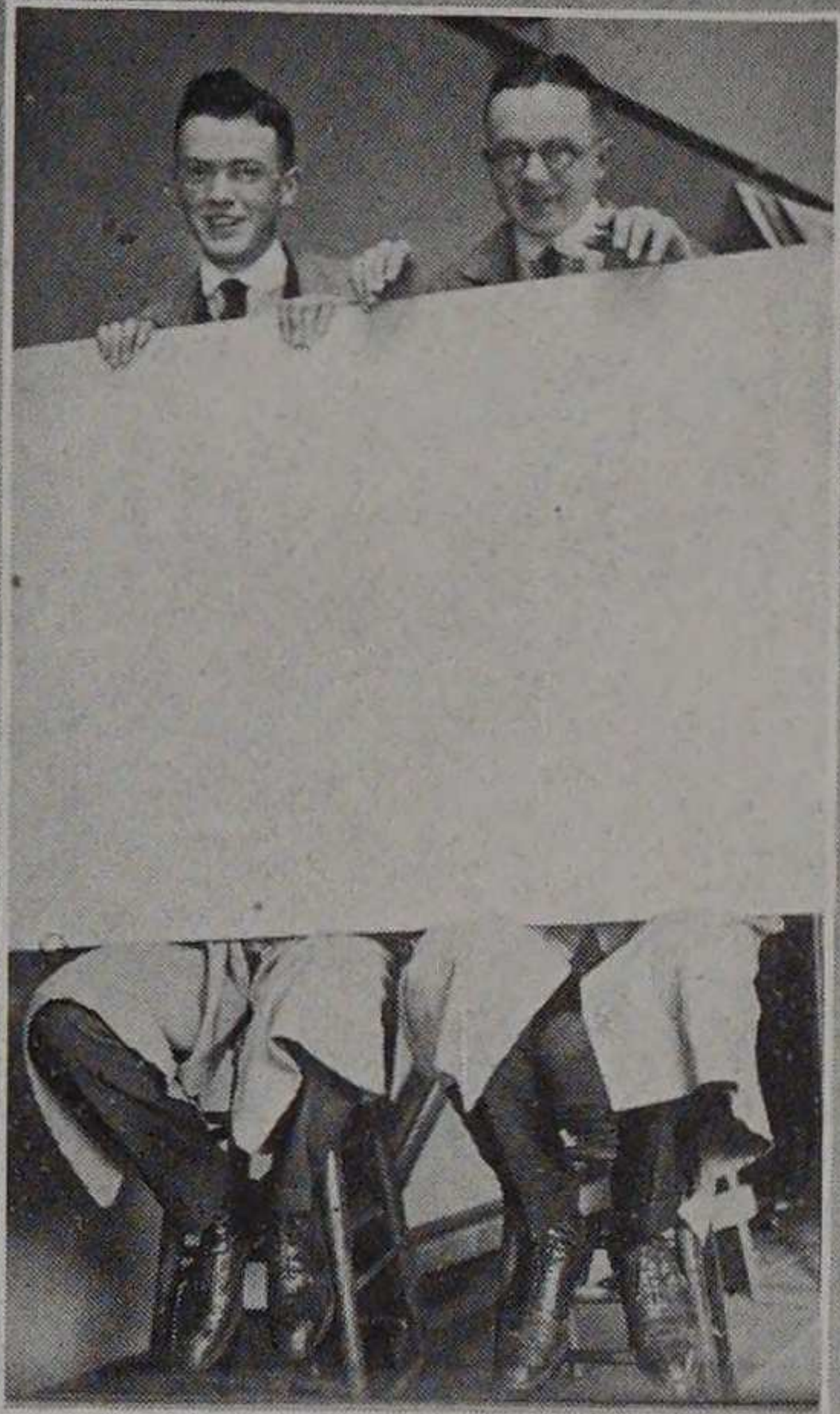


D. A. PAREIRA





ORGANIZATIONS



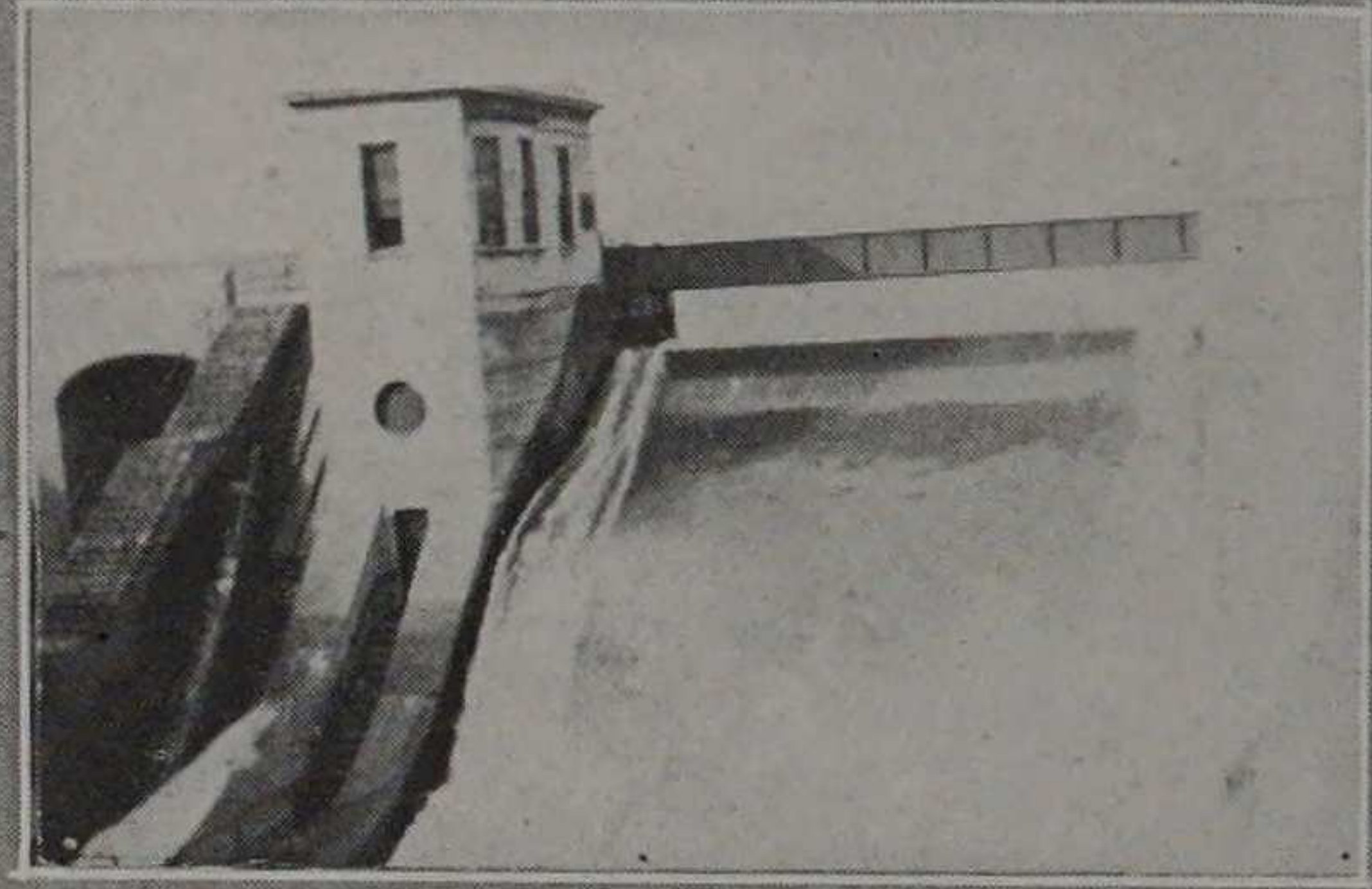
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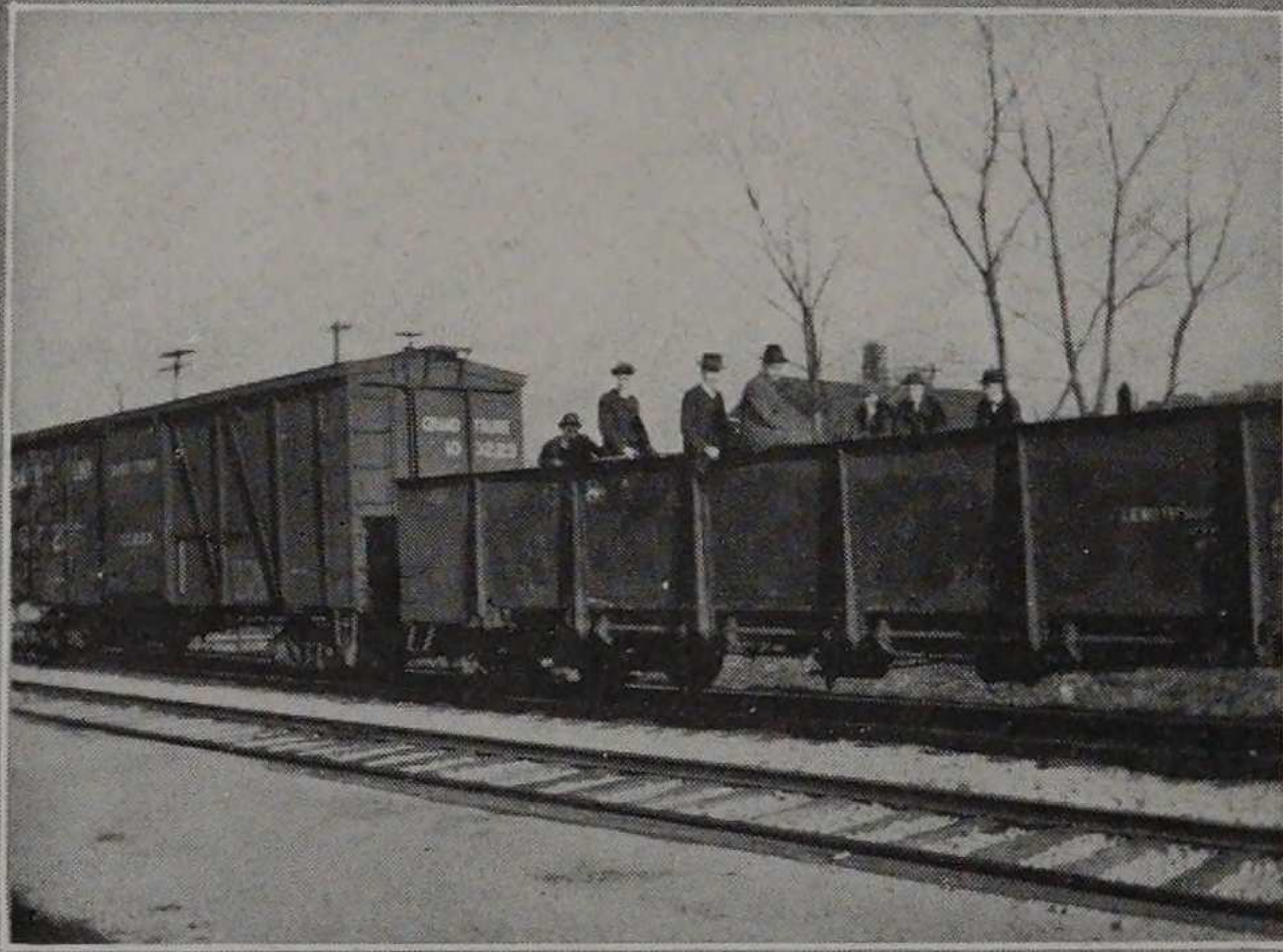
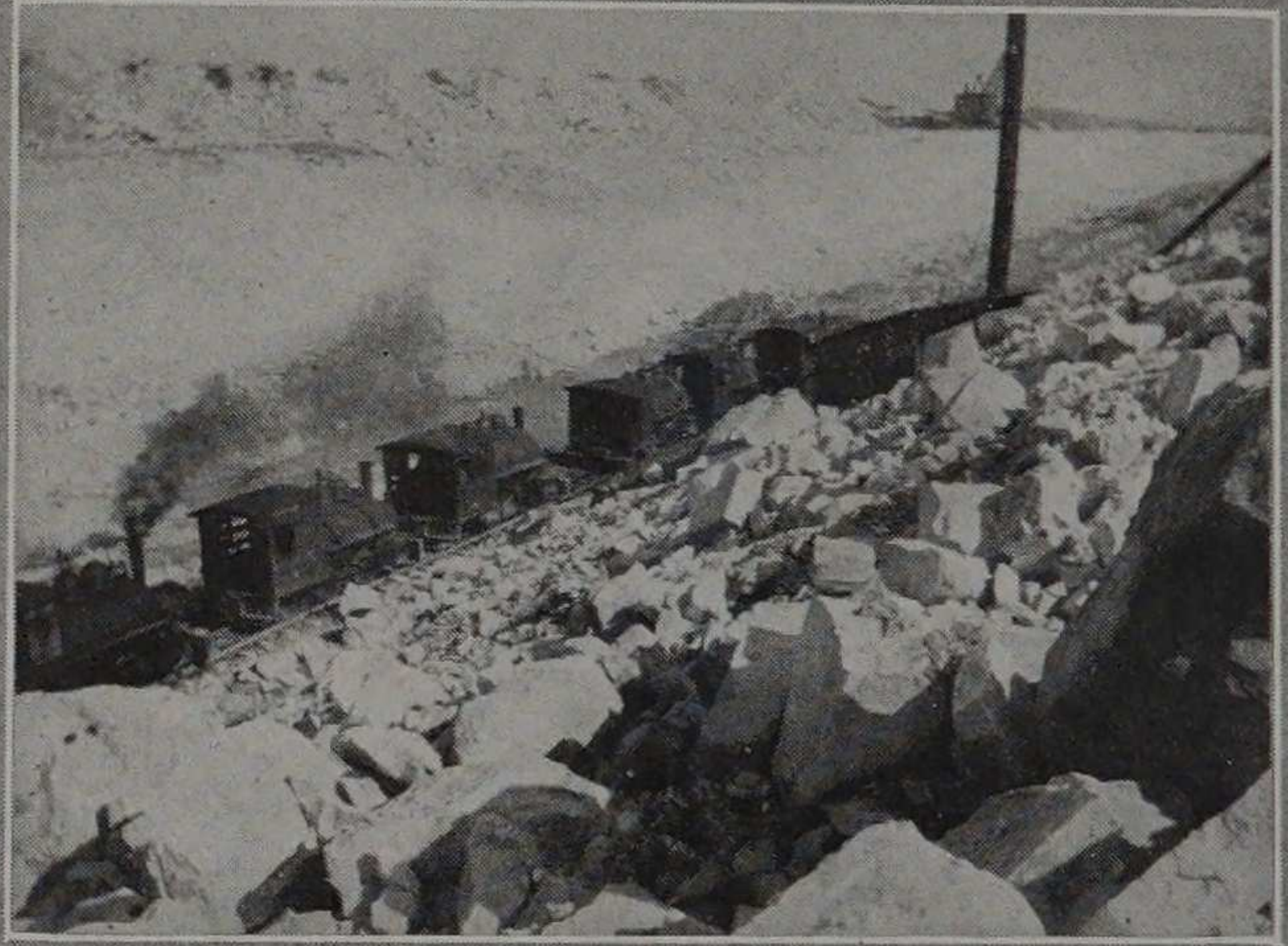
AT  
WORK



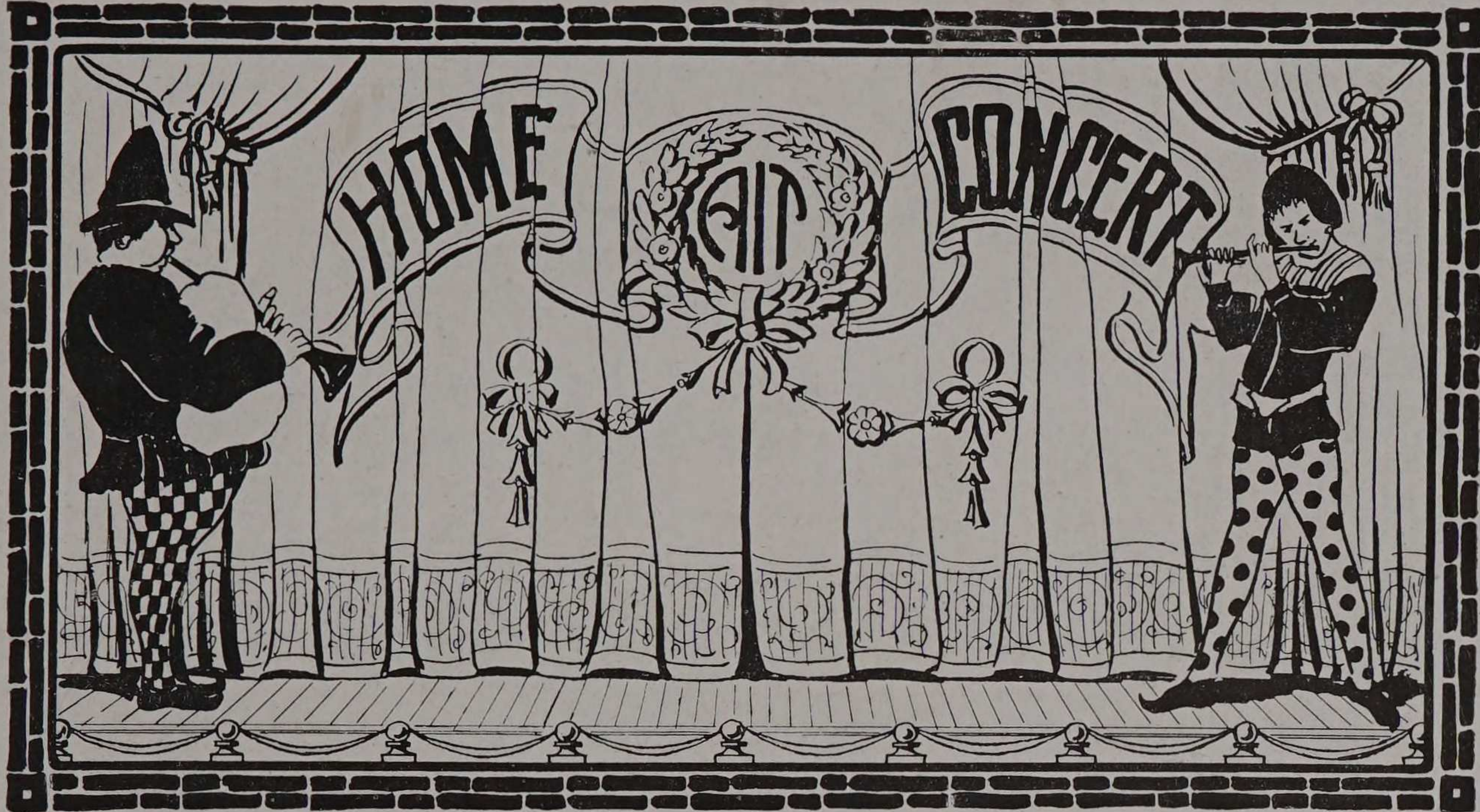
ORGANIZATIONS



INSPECTION  
TRIP  
LOCKPORT,  
ILL.







## Glee and Mandolin Club Concerts

It was with great regret that in the fall of 1916 we had to turn away about one-half the men who tried out for the Clubs, not because of their inferior singing but because of the abundance of musical talent which responded to the call for new men in the Clubs.

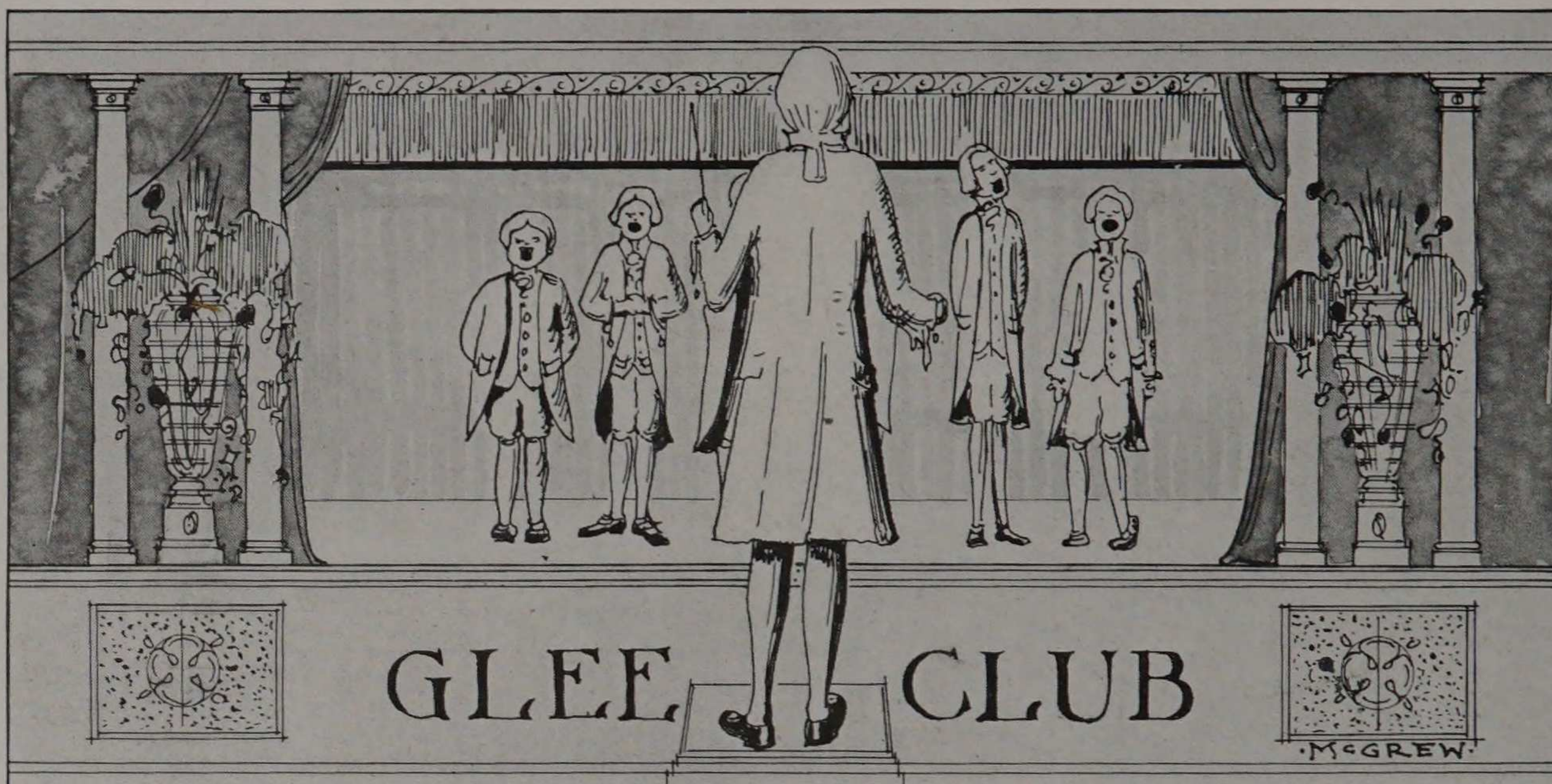
The feature Concerts through the year were, the joint Concert with the University of Chicago Glee Club at Mandel Hall on Feb. 10, 1917, and the most successful concert on the musical record of the Armour Institute, which was the Home Concert, held on Friday evening March 30, 1917 in the Auditorium of the Armour Institute. The Wilmette Congregational Church and the Wendell Phillips High School were also on our list of concerts throughout the year.

On the evening of December 14th, 1916 the Clubs appeared before a very appreciable audience at the Wilmette Congregational Church. The concert gained its success not only through the successful efforts of the Glee and Mandolin Clubs but also by the variation in the program which consisted of Professor Smith and his Solo's, Mr. Huffaker and the Banjo, and the Quartette. The Clubs were tendered with a fine supper after the concert which made the evening one of great enjoyment.

The storm with which the students took the first concert at Wendell Phillips on Dec. 12, 1916 called for another on Mar. 27, 1917; both were so successful that we feel that the Clubs will be over run with material in the following years.



ORGANIZATIONS



**Glee Club**

W. H. BRETTING, *Business Manager*

J. E. ALEXANDER, *Assistant Business Manager*

W. G. SMITH, *Director*

R. N. MANN, *Leader*

First Tenor

Second Tenor

SMITH, W. G.

HARRISON, W. A.

OWEN, W. R.

DRYDEN, A. N.

SHOTWELL, H. H.

INGRAHAM, H. G.

HARVEY, J. D.

HUPP, V. E.

HINCKLEY, F. C.

Second Bass

First Bass

FRITZE, G. M.

The Quartette

WIGNALL, W. J.

QUINN, E. F.

SMITH, PROF. W. G.

ANDERSON, H.

DOUGHERTY, G. T.

DRYDEN, A. N.

MARX, F. E.

HARMON, E. R.

FRITZE, G. M.

HOUSEMAN, R. B.

BRETTING, W. H.

MANN, R. N.

MANN, R. N.

MARVIN, N. L.

GRASSE, A. M.

BECK, R. D.

LANDT, W. E.



R. N. MANN



BRETTING



DOUGHERTY



ORGANIZATIONS



The second joint concert with Chicago proved somewhat of a surprise to all. The Clubs were in the best shape they ever were in and with the overflow of music, the greater part of which had never been presented before, was a tremendous success. The Armour "Jass Band" made its first appearance at this concert. Lead by C. Ingraham and assisted by Fritze, LeValley, Huffaker and Porges the latest pieces were played, and by the time they had started the audience could hardly hold their seats. The Glee and Mandolin Clubs both lived up to their reputation as being the "Best in the West."

After weeks of continuous practicing and hard work the Clubs appeared for their final concert, "The Annual Home Concert." The music presented was never presented before an Armour audience and it met with appreciative applause. "Rolling Down to Rio" was the opening number by the Glee Club followed by "The Waltz We Love" by the Mandolin Club. The Quartette gave several very good selections and like the Chicago concert the "Jass Band" was with us again and met with greater applause than at Chicago. It would be impossible to go on telling about the concert without putting in a word about Mr. Huffaker and his "Special" feature. With all this amusement the concert had to draw to a close, the applause from the audience indicating its success.

THE QUARTETTE



SMITH

DRYDEN

MANN

FITZE



ORGANIZATIONS



FRITZE

McGREW

PORGES

INGRAHAM



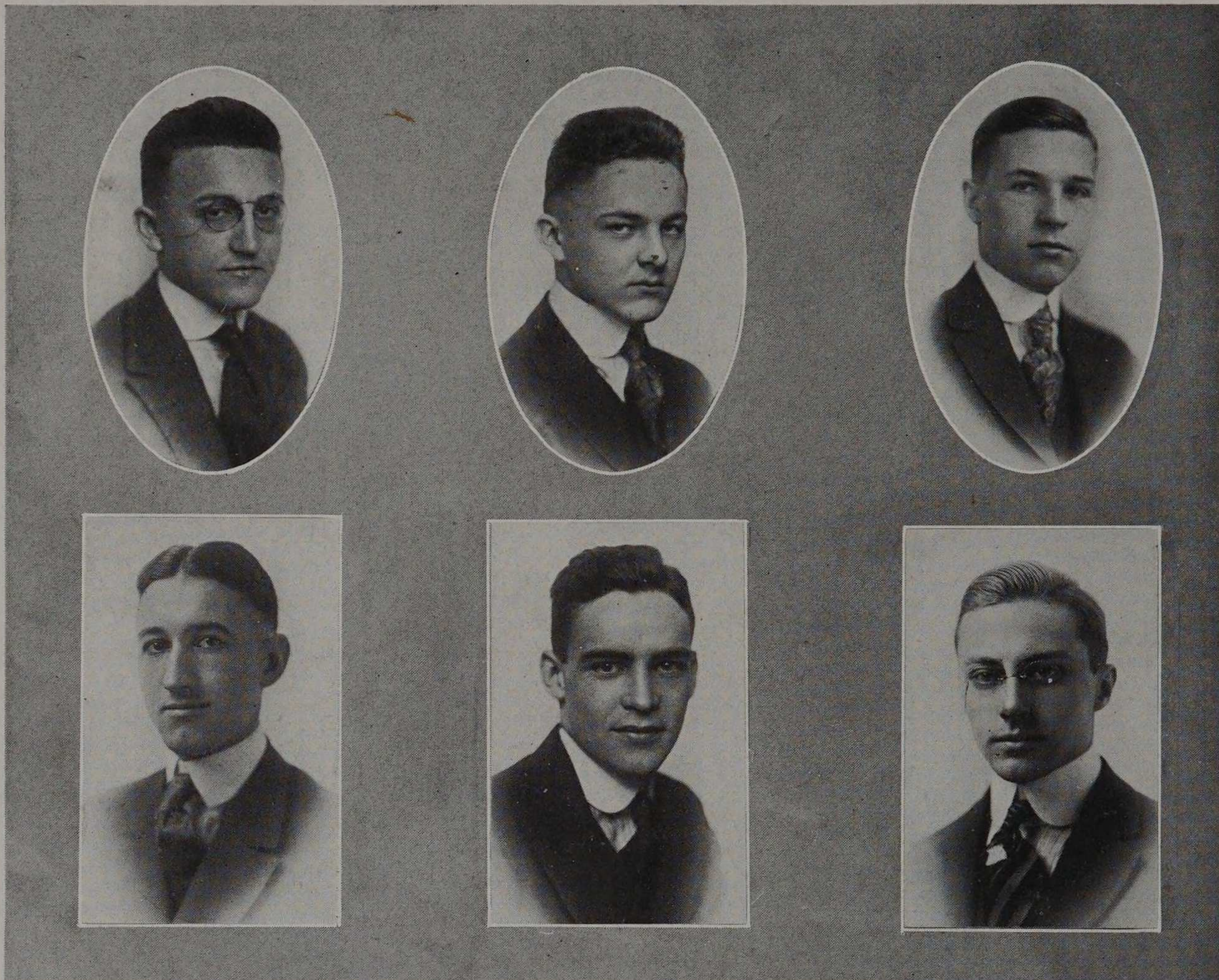
ORGANIZATIONS



MARVIN QUINN SHOTWELL HINCKLEY LANDT SMITH GAUL  
FRITZE BECK BRETTING HARVEY OWEN ANDERSON  
HUFFAKER PORGES MANN ROBECHK DOUGHERTY DRYDEN HANKEN  
KING ROBECHK SUMMERFIELD EDWARDS GREIST MARKS



ORGANIZATIONS



PLOCINSKY  
MAGUIRE

MANN  
FRITZE

PETERS  
SMITH

## Armour Rooters Association

H. B. MAGUIRE	President
G. M. FRITZE	Vice-President and Treasurer
E. H. SMITH	Secretary

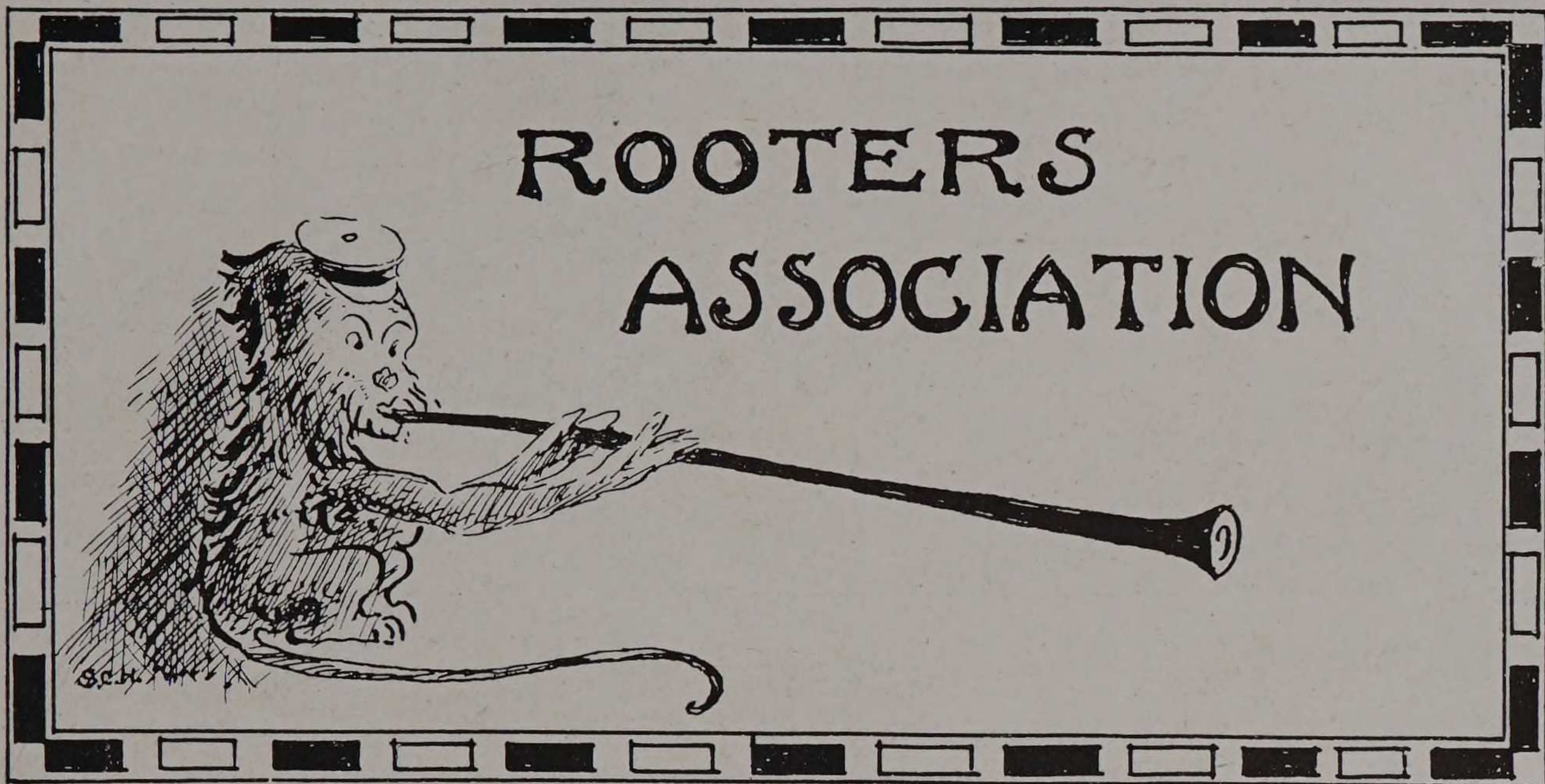
CLASS REPRESENTATIVES

A. PLOCINSKY	1917
S. L. EVANS	1918
R. PETERS	1919

FRESHMAN SMOKER COMMITTEE

H. B. MAGUIRE	Chairman
A. PLOCINSKY	Senior
R. N. MANN	Junior





## The Armour Rooter's Association

For the benefit of those who are new in our midst and do not know what the Armour Rooter's Association is we will give a brief description of it and its field of work.

As everyone knows 'all work and no play makes Johnny a dull boy;' we should all have our recreations and physical diversions. This is the underlying principle of the Rooter's Association. It is an organization composed of all of the student body of Armour Institute for the promotion and support of Athletics.

It not only encourages participants in athletics but helps to see that those who enter will be well supported by a large band of enthusiastic rooters. It seems that at Armour the student body as a whole is content to let a few enter into the various teams and to let them support themselves as best they can. However due to the effective work of the Association there has been a very marked increase in the number of rooters turning out to view our games.

At the beginning of the year in the Fall of 1916 the Rooter's Association called a meeting of the entire College and explained a new plan which had been evolved.

This plan consisted of selling to each student a ticket, entitling him to attend all games and meets during the year, for a small sum. These tickets were given out to all of the student body and were paid for as the fellows were able. They are now practically all paid for which speaks for the enthusiasm brought about. The underlying principle upon which this plan was based was that in order to instill enthusiasm into the fellows it was necessary to get them out to the games. In order to do this it was necessary to do more than tell them to be there, or to charge a small sum for admission. If a man has paid cold cash for anything he wants to derive its benefits. Therefore when the fellows paid or expected to pay for their tickets they made use of them. In this manner the attendance at the meets was increased a good deal.

It is known that a College cannot exist in a proper state of enthusiasm for its Alma Mater unless Athletics are present. But Athletics cannot be successful unless supported by everyone. Thus the importance of the work of the Association can be seen. A large part of the success of the Rooters Association is due to the untiring efforts of its officers and their ability to plan new stunts to keep the student interest aflame.



ORGANIZATIONS



PUSCHEL

ANDERSON

STEVERS

MARX

## Young Men's Christian Association

OFFICERS

H. W. PUSCHEL	President
H. A. ANDERSON	Vice-President
H. D. STEVERS	Recording Secretary
F. E. MARX	General Secretary

CHAIRMAN OF COMMITTEES

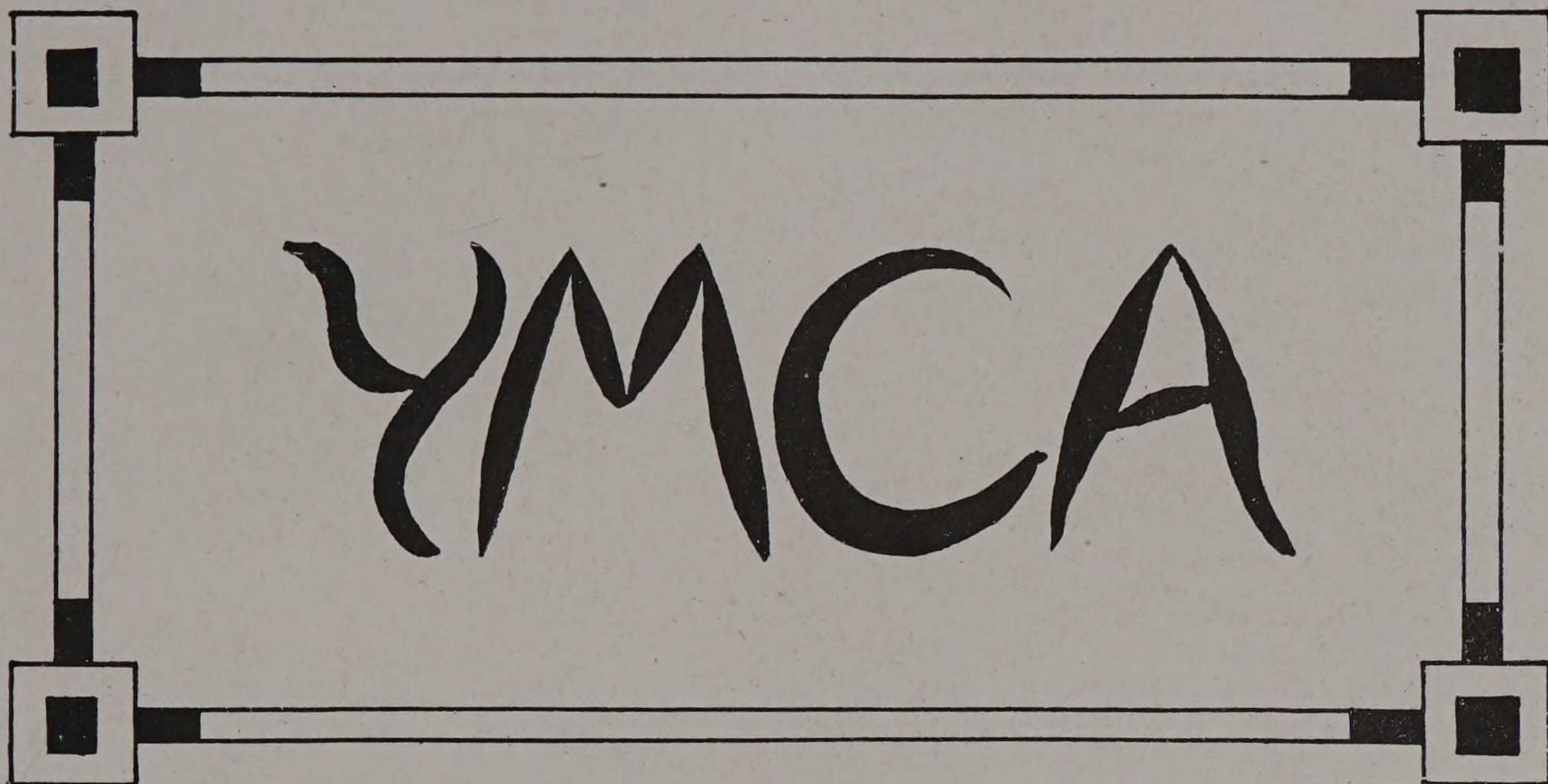
D. E. CABLE	Membership
F. R. JOHNSON	Meetings
E. J. KILFOYLE	Social
A. M. GRASSE	Social Service
E. A. MOORE	Handbook

BOARD OF MANAGERS

- PROF. G. M. WILCOX, *Chairman*
- PROF. G. L. SCHERGER
- PROF. T. E. DOUBT
- PROF. M. B. WELLS
- PROF. R. V. PERRY
- PROF. O. C. CLIFFORD
- MR. F. U. SMITH
- MR. H. W. PUSCHEL
- MR. F. E. MARX



## ORGANIZATIONS



The Y. M. C. A. at Armour is one of the departments of the Young Men's Christian Association of Chicago. Thru this latter organization the Armour Institute Department of Young Men's Christian Association is affiliated with the State Y. M. C. A., and with the International Y. M. C. A. Thus, when a student joins our department he becomes a member of a world wide organization. As such a member, he is entitled to the house privileges at any one of the Y. M. C. A. houses in the world. By special arrangement with the Chicago departments, our student members are allowed reduced rates when joining any one of these departments for the full privileges. Any student may join the association, as it is undenominational.

The affairs of the department are controlled by the Board of Managers composed of seven faculty and three student members. The seven faculty members are elected by the student members. Three of the officers, the President of the Association, Vice-President, and the Recording Secretary are elected to office by the student members. The fourth officer, the General Secretary, is appointed by the Board of Managers. The President, and the General Secretary compose the two student members of the Board of Managers.

The Association occupies rooms on the third floor of Chapin Hall, 3321 Federal Street. These rooms are nicely decorated and contain a piano and a billiard table. In addition to these, a supply of current magazines is kept on hand. The students are invited to use these for pleasure and study-reading.

The Y. M. C. A. at the beginning of each school year, issues a Hand-book. This is highly prized by the students, for it serves as a memorandum book and as a source of information of interest and use to the students.

The Freshman Handshake, which is the first event of the school year, is held under the direction of the Y. M. C. A. This event is held for the purpose of enabling the new students to become acquainted with one another and with the upper classmen. This year's Handshake was held in the Hyde Park Y. M. C. A. building. We had the use of the social rooms, the assembly hall and the natatorium. The handshake sent all away with the feeling that they had a good time, and with the satisfaction that something definite had been accomplished.



ORGANIZATIONS



1916

RADIO

ACTIVITIES

"Steve"

"Matty"

Panel Set



## Radio Lecture and Demonstration

At the regular A. I. E. E. meeting February 6, 1917, H. D. Stevers and R. G. Mathews gave a radio lecture and demonstration. The lecture by Mr. Stevers covered the theory and practice of radio work from the simplest set to the complicated commercial set of today. Diagrams and lantern slides of sets and equipment made the lecture instructive and entertaining.

Mr. Mathews had the operating end of the set to handle. The apparatus consisted of an inductively coupled receiving transformer, the latest type Paragon regenerative cabinet, audion detector, audion amplifier, and loud speaking phone. The antennae was suspended between the main building and Machinery Hall. At shortly after 9 P.M. Arlington, Virginia, Station was tuned in and could be heard with remarkable clearness thru-out the well-filled Assembly Hall. This is the United States central radio station from which are sent weather reports, time signals, and orders directing the navy fleet, etc. Next the Miami, Florida, Station was heard. This is one of the several high-power coast stations which transmits associated press news to the ocean liners at sea enabling them to have daily newspapers printed by the ships' press. Of course numerous amateurs and commercial stations came "rolling" in.

The feature of the evening was the reception of wireless telephone victrola music transmitted from a north side amateur station. Several records were played. The uncanniness of the procedure and the distinctness of the music filled those present with unmistakable awe and admiration. As some of the young men said, "Wouldn't it be great to have a dance to wireless music?"



## ORGANIZATIONS

### The American Association of Engineers

This year a new organization became known to Armour called the American Association of Engineers. This is an association of all of the branches of Engineering, organized to raise the standards of ethics of the engineer. It has grown very rapidly, being in existence about a year and a half, and already having a membership of about fifteen hundred.

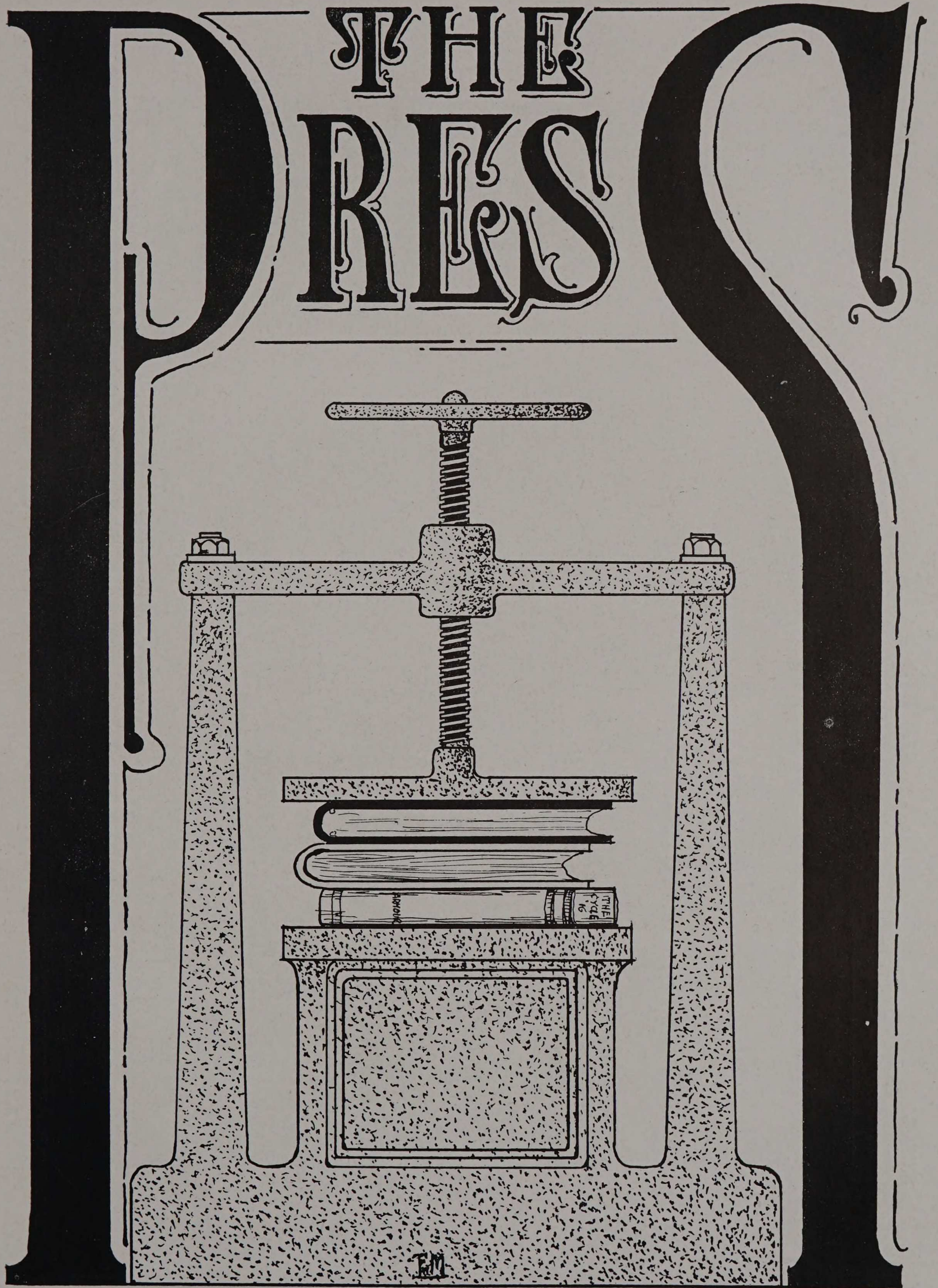
The motto of the A. A. E. is, "For the Good of the Engineer," and is to assist the engineer to better himself and have the engineering profession recognized with the leading professions of the world. It maintains a clearing house wherein it enables the individual to better himself and for the employer to obtain trained men.

The grades of membership in the organization are Student, Junior, Certified, and Associate Members. The qualifications for membership are very strict as the object is to eliminate all those from the engineering profession who would tend to lower the standard.

Armour is to maintain a membership committee consisting of five members, the committee at the present time consisting of H. D. Stevers, chairman; H. W. Puschel, R. A. Newlander, L. H. Rosenberg, and H. Luttge.

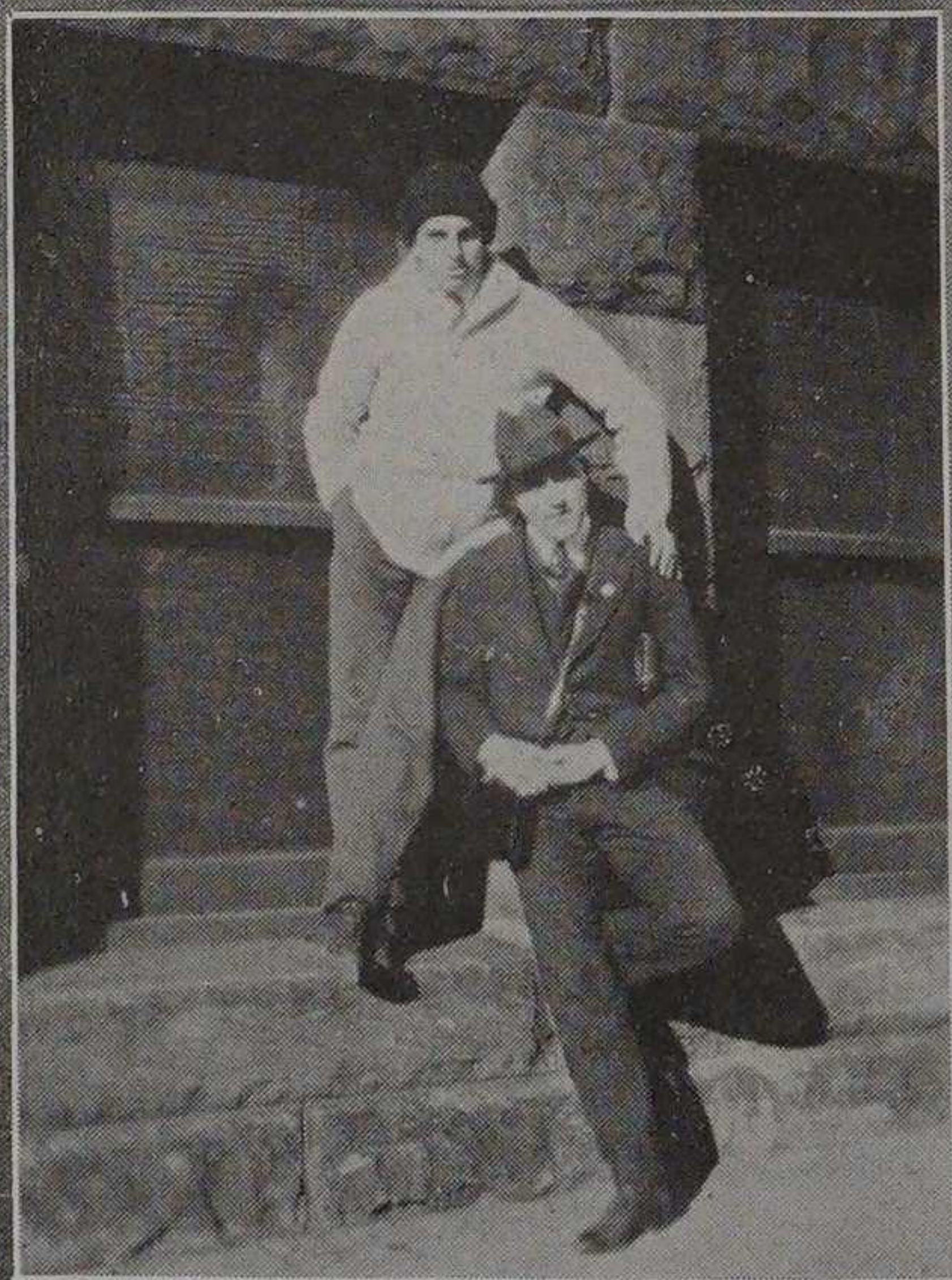
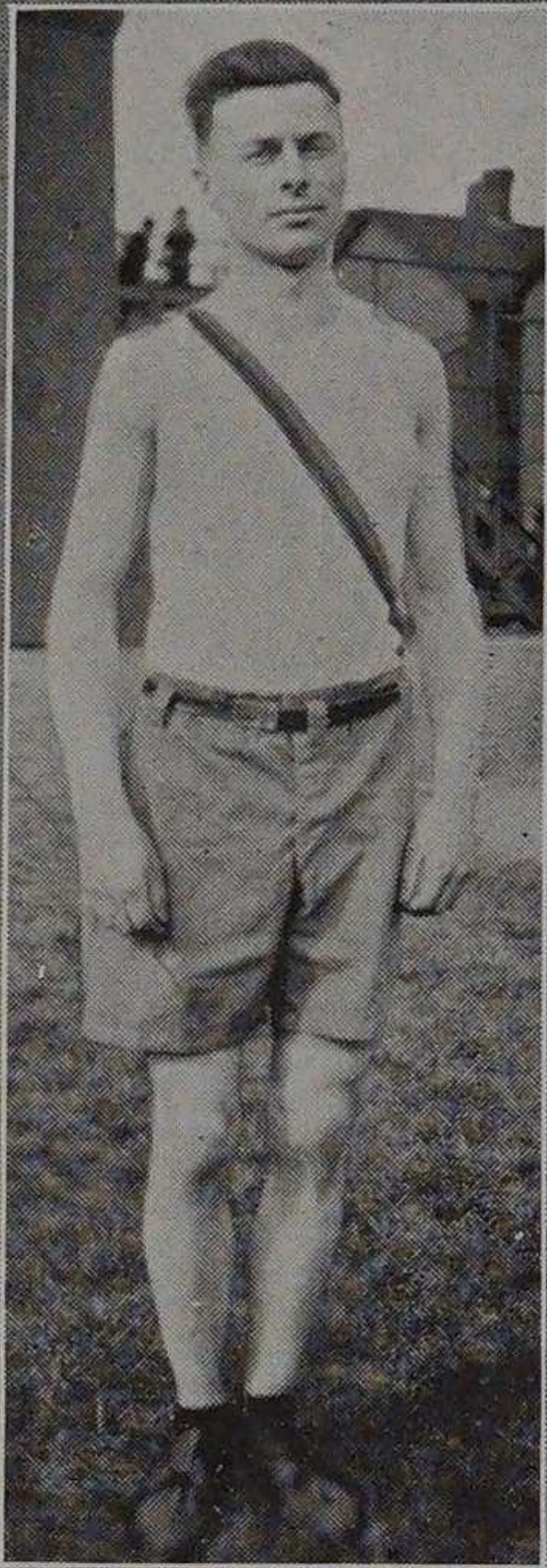


# THE DRESS





ORGANIZATIONS

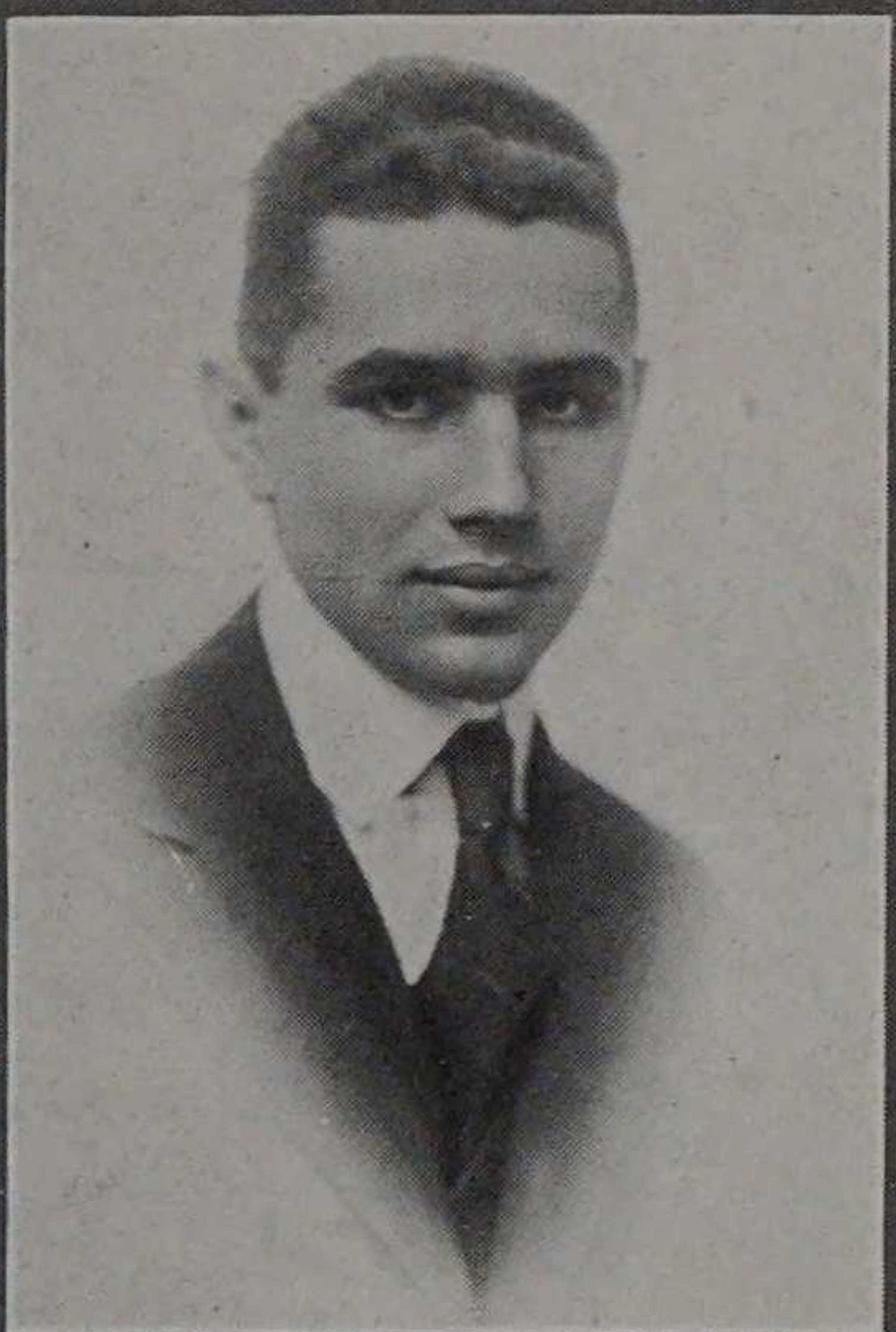


ARMOUR SOPH - FARM RUSH



ORGANIZATIONS

THE CYCLE EDITORS



H. D. STEVERS  
L. WEISS

H. W. PUSCHEL  
H. H. SHOTWELL



ORGANIZATIONS

ASSOCIATE EDITORS



PUSCHEL

RUTISHAUSER

KERR

TWERY

SCHEUER

WIGNALL

DADY

WRIGHT

TAYLOR

HULLINGER

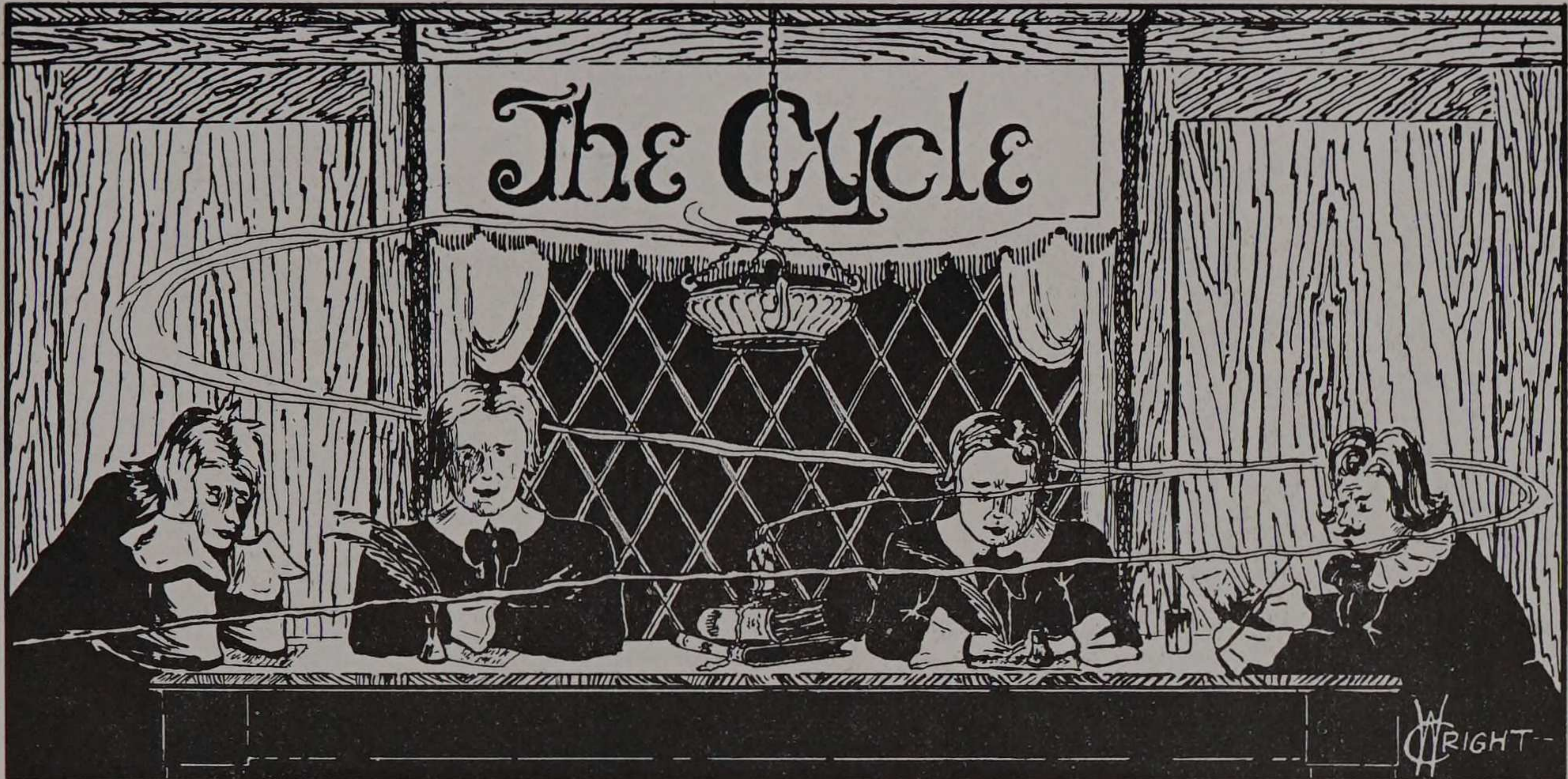
MATHEWS

TIERNEY

QUINN



ORGANIZATIONS



## The Cycle 1917

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LESLIE WEISS	<i>Business Manager</i>
HAROLD H. SHOTWELL	<i>Advertising Manager</i>
HERBERT W. PUSCHEL	<i>Managing Editor</i>

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K. A. TAYLOR	<i>Assistant Business Manager</i>
W. FINKL	<i>Assistant Advertising Manager</i>
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V. A. KERR	<i>Athletics</i>
E. F. QUINN	<i>Social</i>
E. SCHEUER	<i>Humor</i>
W. C. WRIGHT	<i>Humor</i>
O. M. HULLINGER	<i>Humor</i>
J. A. TIERNEY	<i>Senior Class Representative</i>
W. E. DADY	<i>Sophomore Class Representative</i>
D. E. RUTISHAUSER	<i>Freshman Class Representative</i>
RALPH H. G. MATHEWS	<i>Photography</i>

CONTRIBUTORS

*Literary*

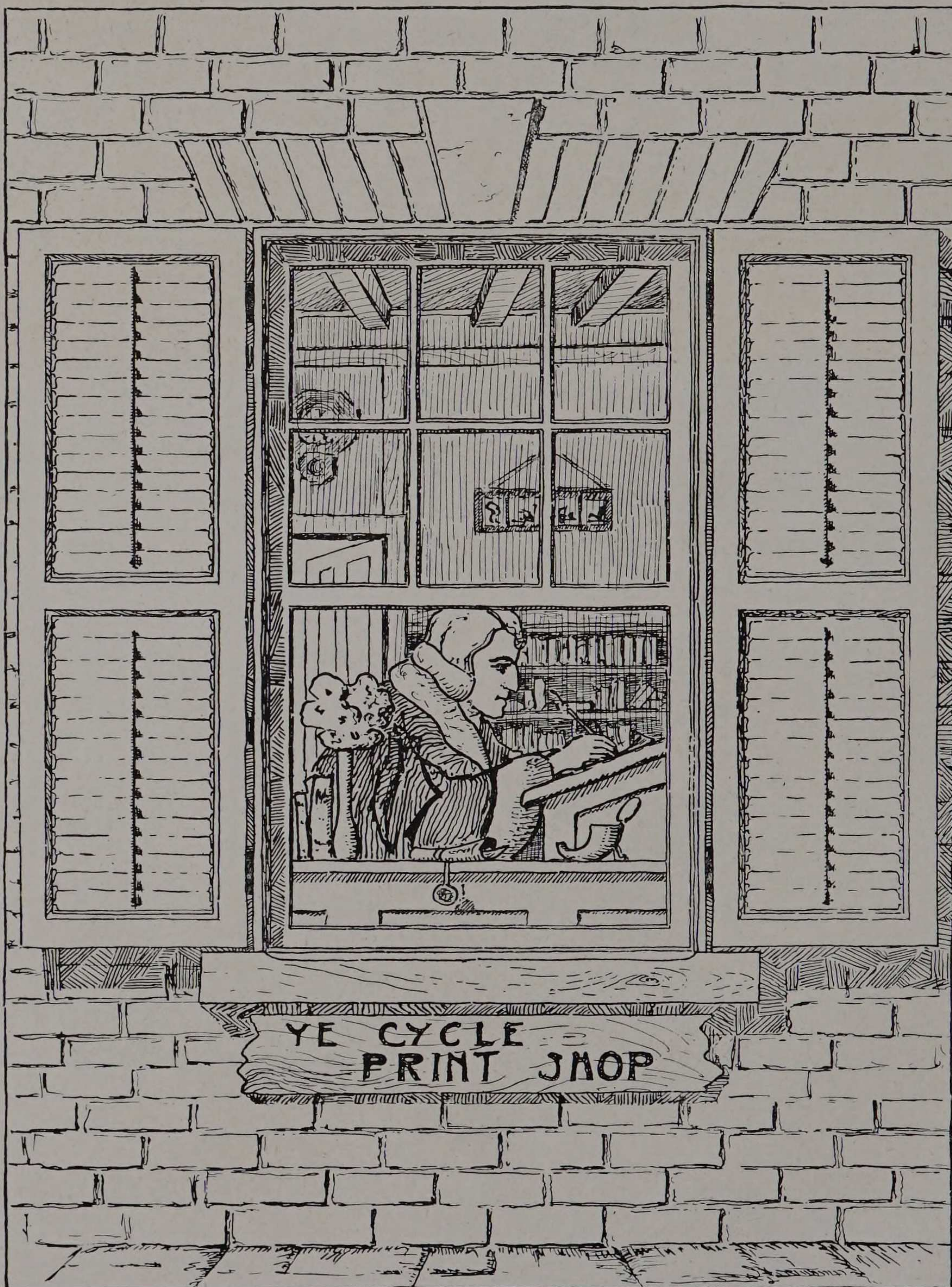
D. E. CABLE	H. KLEINMAN	H. MAGUIRE
F. B. VOGDES	E. H. SMITH	

*Art*

K. A. MCGREW	W. C. WRIGHT	F. S. COWLES
L. E. MELLOR	W. D. PAREIRA	S. C. HULBERT
A. TITUS	C. DANFORTH	W. H. STEVENS
A. E. ERICKSON	E. F. QUINN	H. C. INGRAHAM

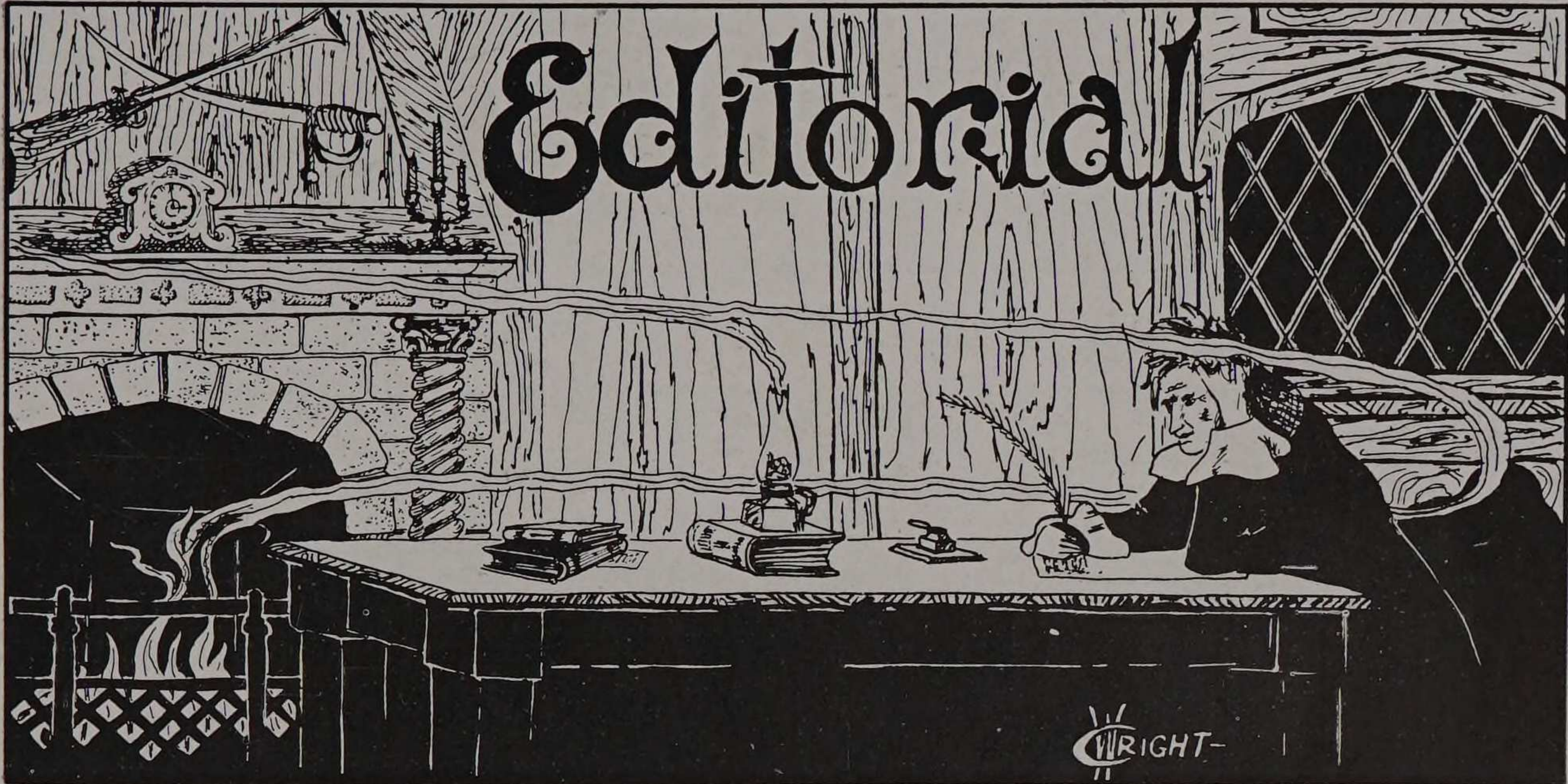


# THE EDITOR



A. Tilley. 20.





## The Cycle 1917

In editing THE 1917 CYCLE an attempt has been made to make the annual a memento to the Senior graduating class from the Junior Class. We have solicited the aid of all the members of the year 1918 so that the result might be representative of the Class as a whole rather than as the work of two or three officers of the staff.

We have worked hard to make THE 1917 CYCLE a success. It is yours; read it. If you are satisfied we are content; if not, we are sorry that we spent so much time on it.

We wish to express our indebtedness to the Rogers Printing Company; to the Jahn and Ollier Engraving Company; and to the William Louis Koehne Studio for their efforts in making the success of this book possible. To the Cycle Board, we wish to extend our hearty thanks for the pride and interest they have taken in the making of the Annual.

To the following, THE 1917 CYCLE staff wishes to express its sincere appreciation for the interest they have shown and the encouragement they have given:

DR. F. W. GUNSAULUS  
DEAN H. W. RAYMOND  
DEAN L. C. MONIN

MR. F. U. SMITH  
PROF. W. K. SMART  
MRS. J. BEVERIDGE



ORGANIZATIONS

THE ENGINEER STAFF



L. A. KING  
A. CORMAN

L. E. STARKEL  
W. W. WOLLASTON



# THE ARMOUR ENGINEER

1916-17

H.G.

The Armour Engineer has successfully attained the ninth year of its existence, each year having added such quality to the character of the journal that its rise toward the position as the "first" among all college technical publications has been a rapid one. It is amid this rapid rise that the present staff took up its task of adding a new impetus in the form of Volume Nine, which it hopes will result in placing The Armour Engineer in the rank of foremost technical publications in this country.

Without the co-operation of the Alumni, the Engineer certainly could not have experienced such a rapid rise. In the first place, we owe the contribution of the excellent articles principally to the graduates of the institute. On the other hand, the support of the Armour Alumni Association has been remarkable. Under the present system, every active member of the Association receives a copy of the Armour Engineer. The "Alumni" department is edited by the publication committee of the Alumni Association and is "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 past year may be crowned a success. The consistent efforts of the Business Department established a representative list of advertisers, while the Editorial Department presented a well edited paper. The articles were chosen so as to present a journal which would be very interesting to read. They were not too technical, but technical enough to keep the Engineer in its proper sphere.

As a crowning feature to the success of the Armour Engineer in this and in former years, a supplement was issued with the November, 1916, number, in the form of a General Index to Volumes 1-8. This was compiled by Miss Ellyn C. Broomell, Ph.B., Assistant Librarian, Armour Institute of Technology, to whom we are greatly indebted. It is the intention of the present staff to have the index to each succeeding volume published in the last issue of that volume. We feel that this has added greatly to the position of our journal and hope that the plan will be carried out successfully in future volumes.

The editors of Volume Nine gratefully express their appreciation to Dean Monin and Dean Raymond for their untiring interest at all times, to Mrs. Beveridge for her many invaluable suggestions and contributions, and to Mr. Bangs and the officers of the Armour Alumni Association for their help and co-operation.



ORGANIZATIONS

Lockport Inspection Trip



1916





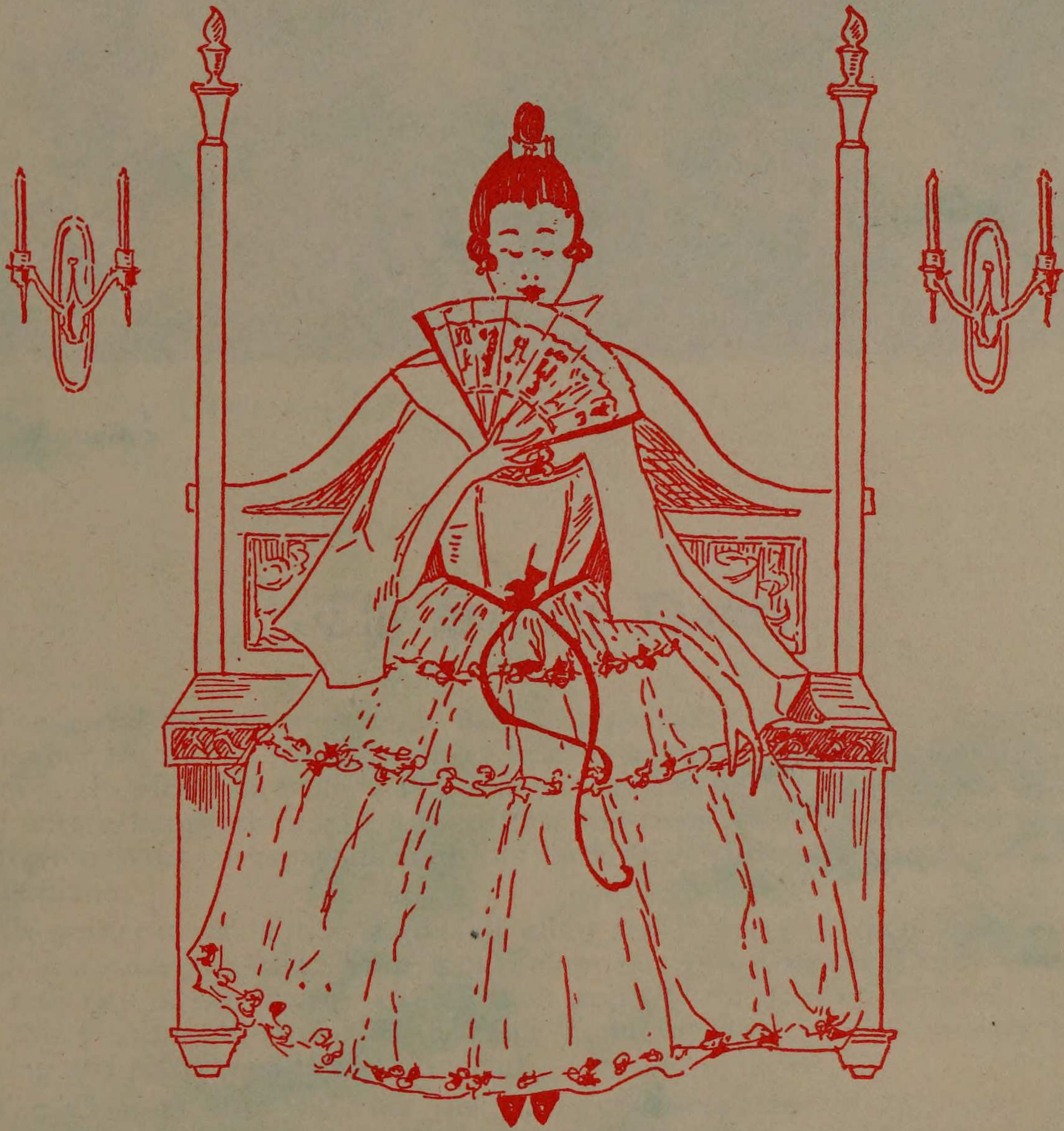








# SOCIETY



DA FERRIS







## SOCIAL



WOLLASTON                      INGRAHAM                      MAGUIRE *Chairman*                      ROBERTS                      SMITH

## The Senior Dance

The social season at Armour had an auspicious opening on the evening of November 10th when the Class of '17 held its annual dance in the Louis Sixteenth Room at the Hotel La Salle. This immense ball room, the finest in the hotel, was filled with a happy throng of Armourites, and their friends, who one-stepped and fox-trotted to the unsurpassable music of the Harvey Orchestra with Royal Chappell at the piano.

Altogether it was a most enjoyable affair and it was with regret that we heard Chap announce the last dance long before our programs had been completed. The majority of the crowd had had their appetite for dancing whetted, however, and this portion adjourned to the Blue Fountain Room where another hour of dancing and refreshments was provided.

The Class of 1917 deserves the hearty commendation of the many Armour people who attend the dances and special credit is due Messrs. Maguire, Ingraham, Roberts, Smith and Wollaston, who compose the Social Committee and who, by their efforts contributed much to the success of the final social effort of the Senior Class.



## SOCIAL



BRETTING      EVANS

WIGNALL *Chairman*

SHOTWELL

WEISS

## The Junior Dance

They were there in force, the sweet, the fair, the slim, the plump, the debonnair Marguerite with golden hair, Annette with eyes—beware! Beware!—

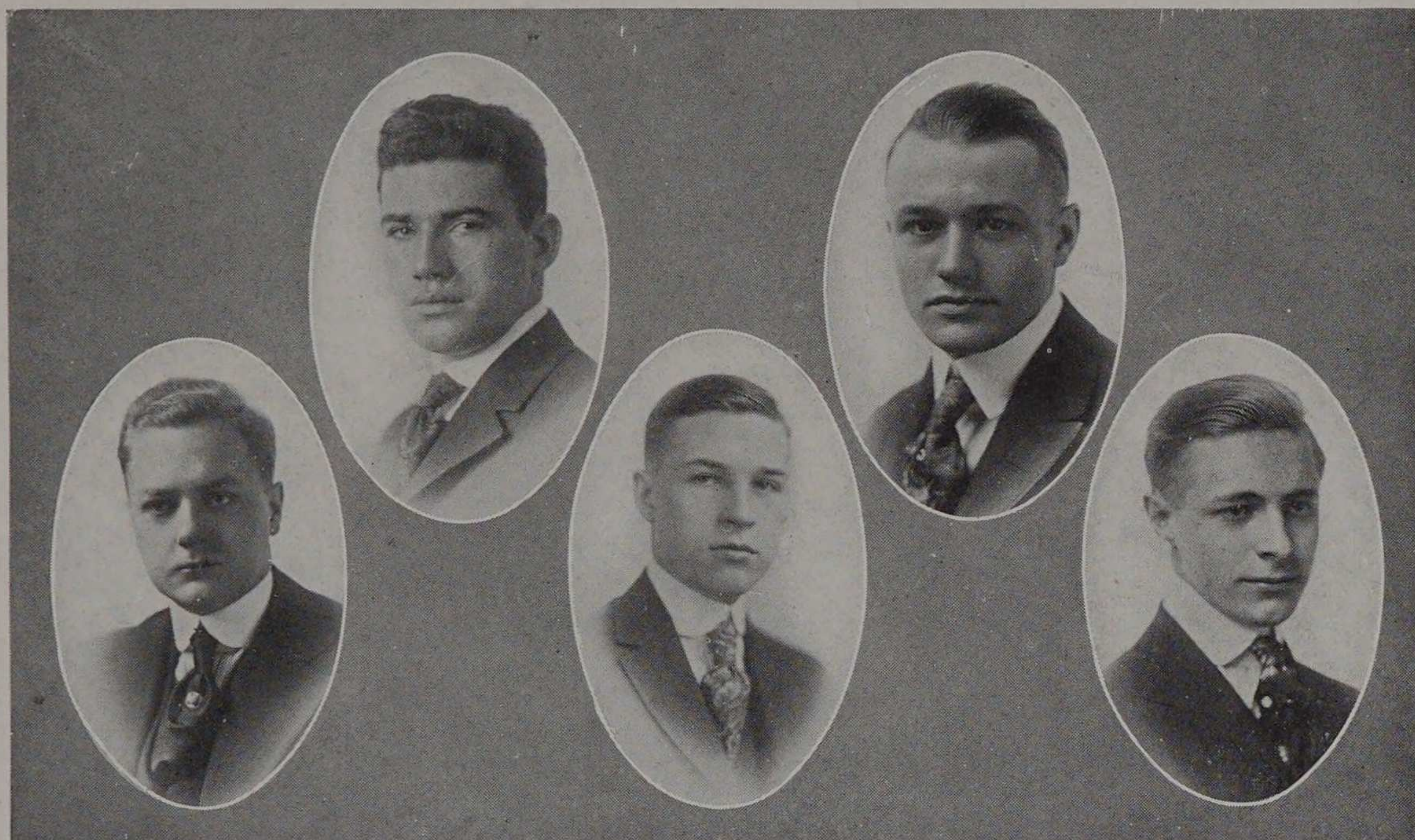
But what we started to record was that paragon of social events, the Junior Dance. Old 1918 was there as always and, although the scene was shifted from the Florentine Room of the Congress, where the Freshman and Sophomore dances of the Class of '18 had been staged, to the Red Room of the La Salle, Act Three proved to be all that its predecessors had been, a success with a great big "S."

Ask anyone at Armour "Which has been the best dance?" and the answer will invariably be "The Junior." And, relying upon the good judgment and excellent taste of all Armour men you will be satisfied. But in case you demand proof we can explain that Messrs, Chappell, Verhoeff, et.al., furnished the music and of course Royal, being himself a member of the Junior Class, outdid his best previous efforts, and of all the music you ever heard —. Well, why proceed? We perceive a look of sincere assent in the eyes that are reading these paragraphs.

Too bad its all over, boys, but don't forget the Junior Prom that our worthy social committee, Messrs. Wignall, Bretting, Evans, Shotwell and Weiss, announce as "bigger and better than ever."



S O C I A L



ALEXANDER                      KILFOYLE                      PETERS *Chairman*                      MAITRE                      REHFELDT

## Sophomore Dance

The Louis XVI Room of the La Salle Hotel was the scene of the annual dance of the Class of Nineteen, on Friday evening, March the twenty-third. A goodly number of Armour's terpsichorean enthusiasts were present and those who were wise and fortunate enough to attend had certainly no cause to regret it.

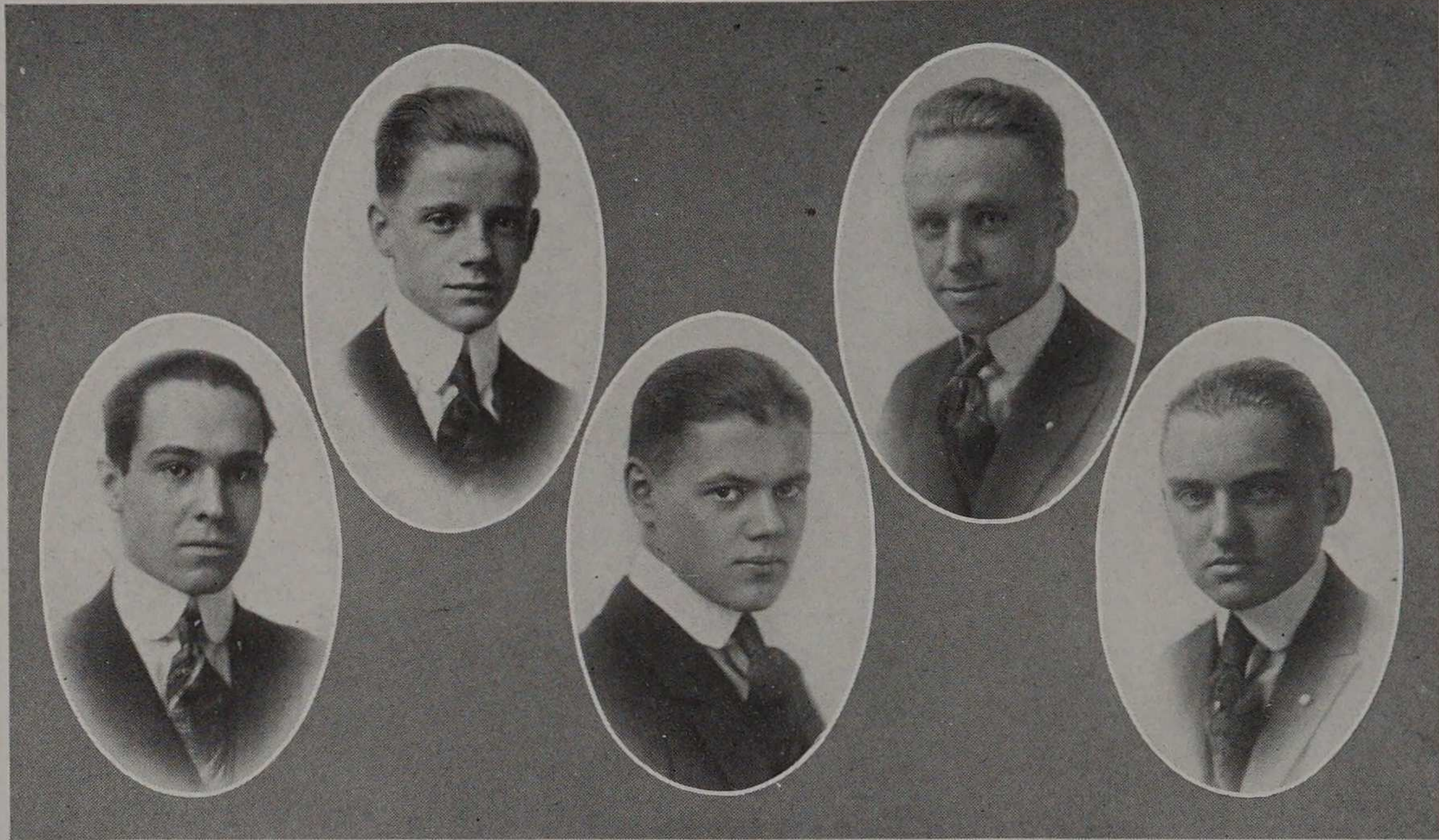
The music was up to the usual standard of all Armour dance music, the crowd was congenial, and everything transpired to make the Sophomore Dance an unqualified success.

A hearty vote of thanks is due to Chairman Peters and Messrs. Maitre, Alexander, Kilfoyle, and Rehfeldt of the Social Committee, and to the members of the Sophomore Class for a most enjoyable evening.

E. F. Q.



## SOCIAL



JONES

ANNING

WYNNE *Chairman*

BECK

BRUECKNER

## Freshman Dance

An unusual amount of temerity in one so young was displayed by the Freshman Class in its selection of a date for its initial venture in the management of a dance. Be that as it may, we must give the Class of Twenty due credit for the remarkable success of the Freshman Dance that they put across on Friday, the Thirteenth day of April.

Once again the La Salle Hotel was the scene, thereby making this excellent hotel the unanimous choice of the classes as a place at which to act as hosts to the rest of the college.

The Harvey Orchestra furnished the music under Chap's direction and, as usual, this part of the entertainment was extremely well taken care of. The other details were also looked after successfully under the management of the Social Committee composed of Wynne, Chairman, Anning, Beck, Brueckner and Jones.

E. F. Q.



## SOCIAL

### Scarab Informal

On December 6th, Edfou Temple, the local chapter of the Scarab Fraternity, gave an informal dance at the Art Institute. "Chap" was at the Steinway with lots of "pep," and a brand new necktie and his music was enthusiastically received by all present. Several engineers were in attendance, glad of the chance to "sneak" in on some of the Architect's good times. Cider and doughnuts were served under the supervising hospitality of mine host Allen Dryden. Messrs. Chappell, Dryden, Maher and McGrew, all Scarabs, were instrumental in the success of this pleasant affair.

### Mardi Gras

The spirit of the carnival prevailed at the Mardi Gras Festival given by the Art Institute on Tuesday, February 20th, and in which our own architects had more than a passing interest.

The period chosen for costumes and decorations was the English Renaissance of the 15th and 16th centuries and, after weeks of patient research and hours of weary trying-on and selecting in the costume shops of the loop, our embryo architects regaled themselves as cavaliers, monks, knights, or English villagers, and hied themselves hither to partake of the joys of the occasion.

"The Transition of Gothic Architecture to Renaissance," a pageant, was most successfully presented by members of the Architectural Department and their friends. Thanks to the efforts of Mr. Earl Reed it was a noteworthy success and is still the talk of the Institute.

"Ye Tickle-Ye Palate Inn," designed by Mr. Campbell and executed by the students, and in which soft drinks were dispensed, also came in for a large share of commendation.

Altogether the affair was a most auspicious one and a great deal of credit is due Professors Campbell and Reed, and Messrs. Ingraham, Monaco, Cowles, Quinn, Christiansen, McCormack, Dryden, Chappell and many others for their unceasing efforts in making the 1917 Mardi Gras "bigger and better than ever."



S O C I A L





JUNIOR.



WEEK.



S O C I A L



*KERR*  
FIRST MARSHALL



*QUINN*  
SECOND MARSHALL

## Junior Week Program

Monday, May 7—Bowling Tournament.

Tuesday, May 8—Faculty—Senior Baseball Game.

Wednesday 9, Junior Play "The Lucky Seventh."

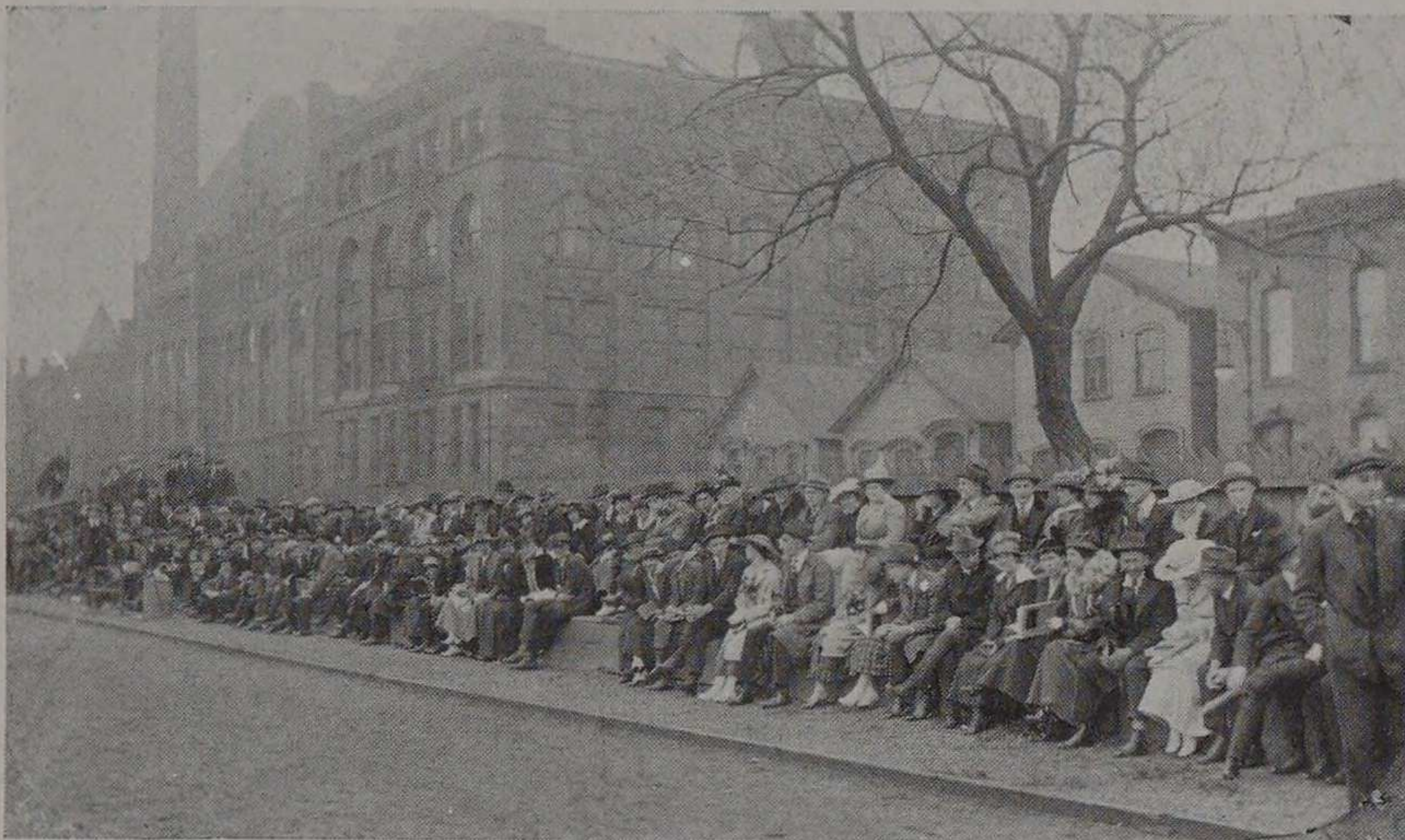
Thursday 10 { Cycle Issued  
Circus Day

Friday 11—Junior Prom.



## Circus Day at Armour Institute

May 4, 1916



After much patient waiting we obtained our Cycles, and proceeded with them to the disguised area once called Ogden Field. Taking our seats in the bleachers we divided our attention between the interesting pages of the Cycle and the strange movements of the tent men as they

erected the miniature circus tent near the south end of the field. At one place we saw with astonishment a hangman's post, at another a wrestling mat. At the north end of the field was a pit where all were given an opportunity to "bounce" their most detested "prof" in the "bean." This proved an interesting occupation to those who participated. It was noticed, however, that but only a few had any such debts to pay their d.t.'s. A circus would not be complete without the "red hots," popcorn, etc., and ours was certainly not lacking in this respect.

The monotonous din of the busy streets was presently disturbed. The sweet strains (?) of a distant "weenywurst" band reached our ears with a conglomeration of discordant sounds which if heard here one hundred years ago might be interpreted as being the war whoop of a tribe of Indians. The noise grew more distinct and then we saw the cause for this disturbance. A band of cannibals accompanied by numerous other varieties of half civilized beings were following the band in much the same way that the rats followed the Pied Piper of Hamelin. The band entered Ogden Field, followed by the parade and proceeded around the race track in true circus fashion. Shorty McGuire





SOCIAL

CIRCUS DAY



JUNIOR

WEEK



MAY 4, 1916



S O C I A L



performed his favorite stunt of brushing the sky with his "lid" while navigating about the periphery of Ogden Field. Noth- helper with grind organ and an un- usually large monkey was also in the parade. The spectators were warned not to feed the "ani- mile." Numerous other attrac-

tions maintained our interest. Near the end of the parade was a very strange looking object, a German sub-marine, U-4 (Modern Ford type). The kaiser in his military costume, who was an occupant of the boat, stepped ashore on being handed a note by Uncle Sam. He retaliated with a return note. A duel of notes followed which left the situation as tense as it was before.



The next attraction was a wrestling match in which Harry Mouat and Mr. Williams demonstrated some of the fine points of the game. Few will forget the charms and graceful dancing of Zebelda in the tent attraction.

Prof. Leigh was victorious in the faculty hundred yard sprint in which he had but one competitor,

that being Prof. Gebhart. We attribute the success of Prof. Leigh to his skill in rapid addition (of steps). No official record of his time was made, however, we feel confident that with some practice he would have little difficulty in making 100 yds.  $\div dx - dt = 10$  secs.

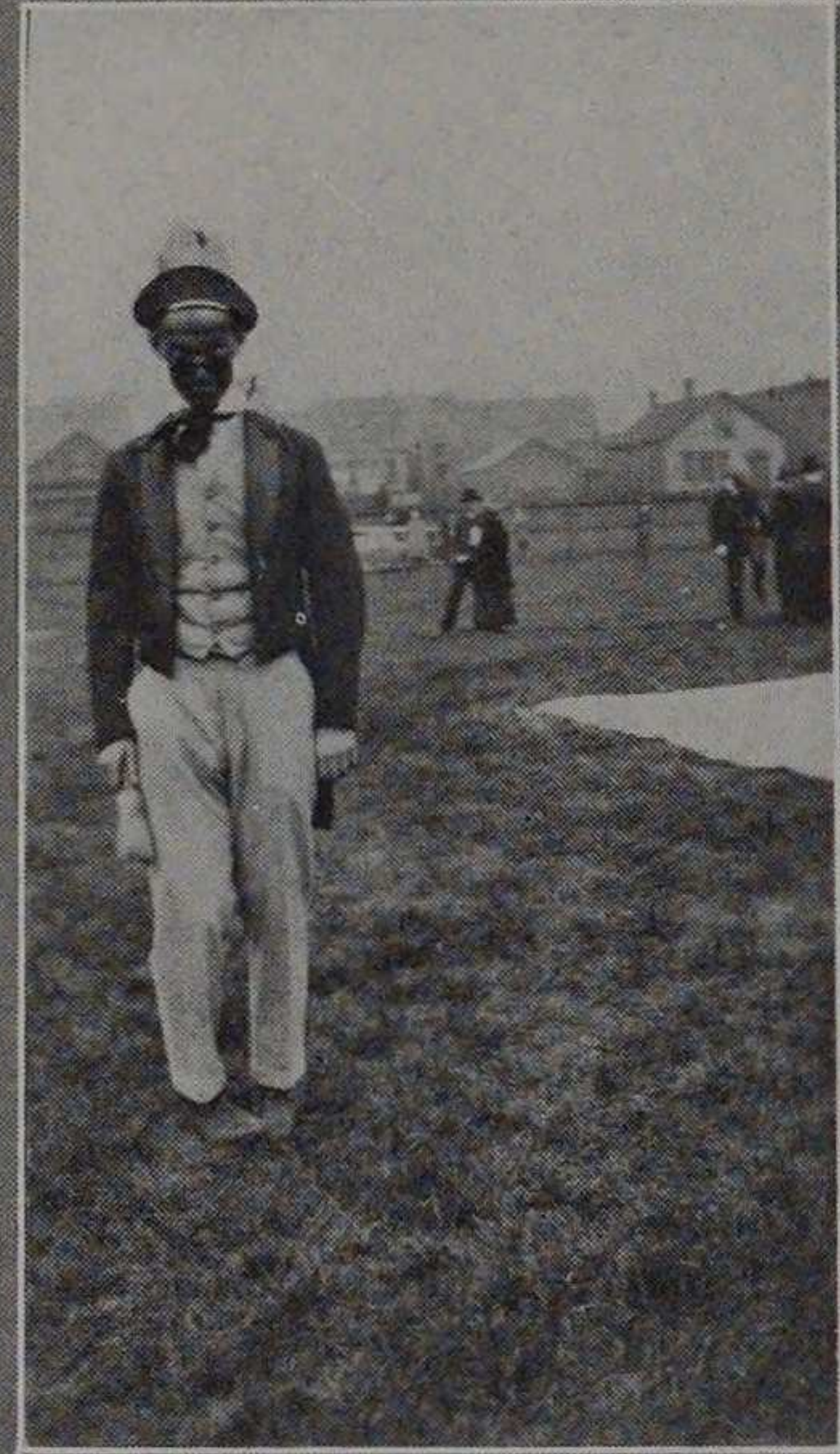


The interclass tug o' war was won by the class of '18. The victors matched their strength with the faculty. The

Sophomores found it impossible to pull John Schommer out of his groove in mother earth; so they allowed John with the aid of the faculty to pull them over the line rather than break a perfectly good piece of hemp cable.



S O C I A L





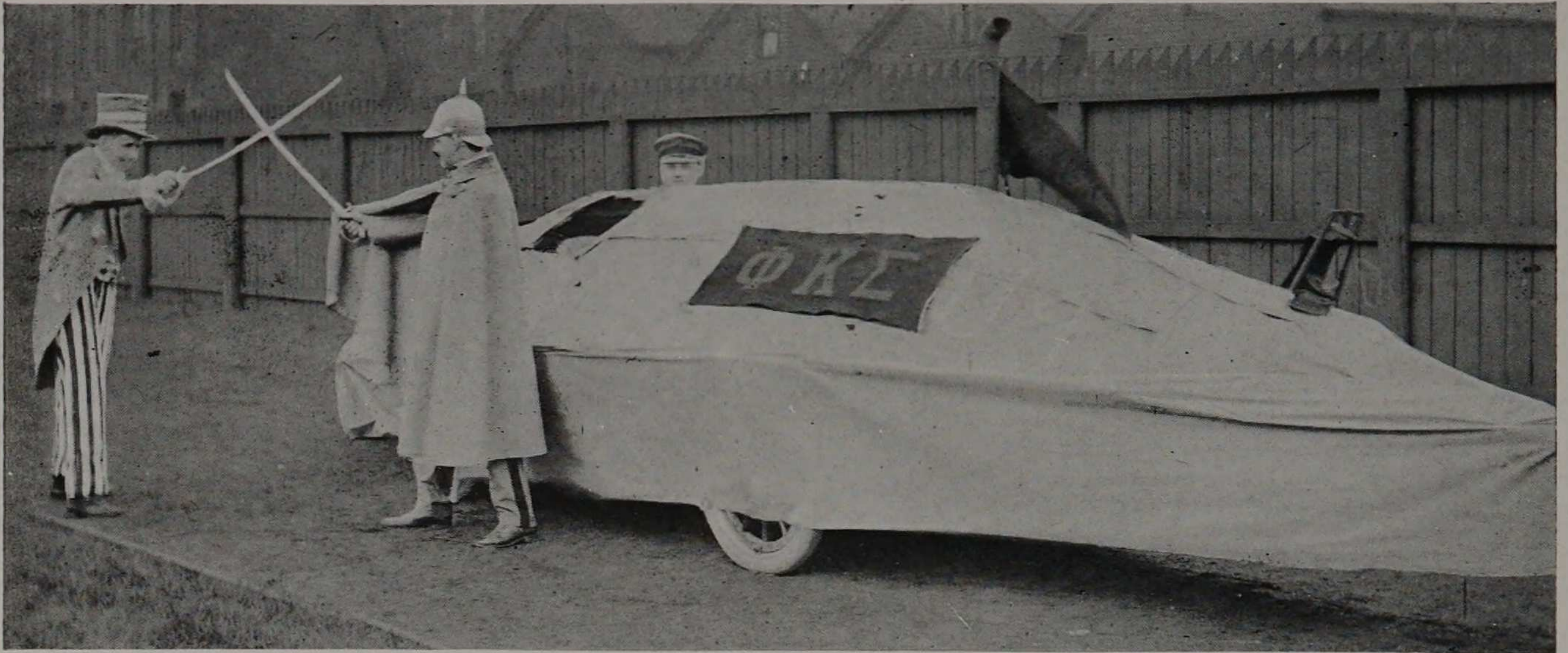
S O C I A L



The inter-fraternity and inter-departmental relay races were run off. The Beta Phi fraternity and the Mech. Dept. were victorious in these events. Our last, and by far, most entertaining spectacle was that in which Villa (Mexican for Bruce) was being chased. He was at last cornered and sentenced to the gallows. Those who remained witnessed the sad event. A newspaper reporter was present obtaining the necessary information for his "scoop". Most of us were convinced that the VILLA(IN) was dead before he reached the gallows.





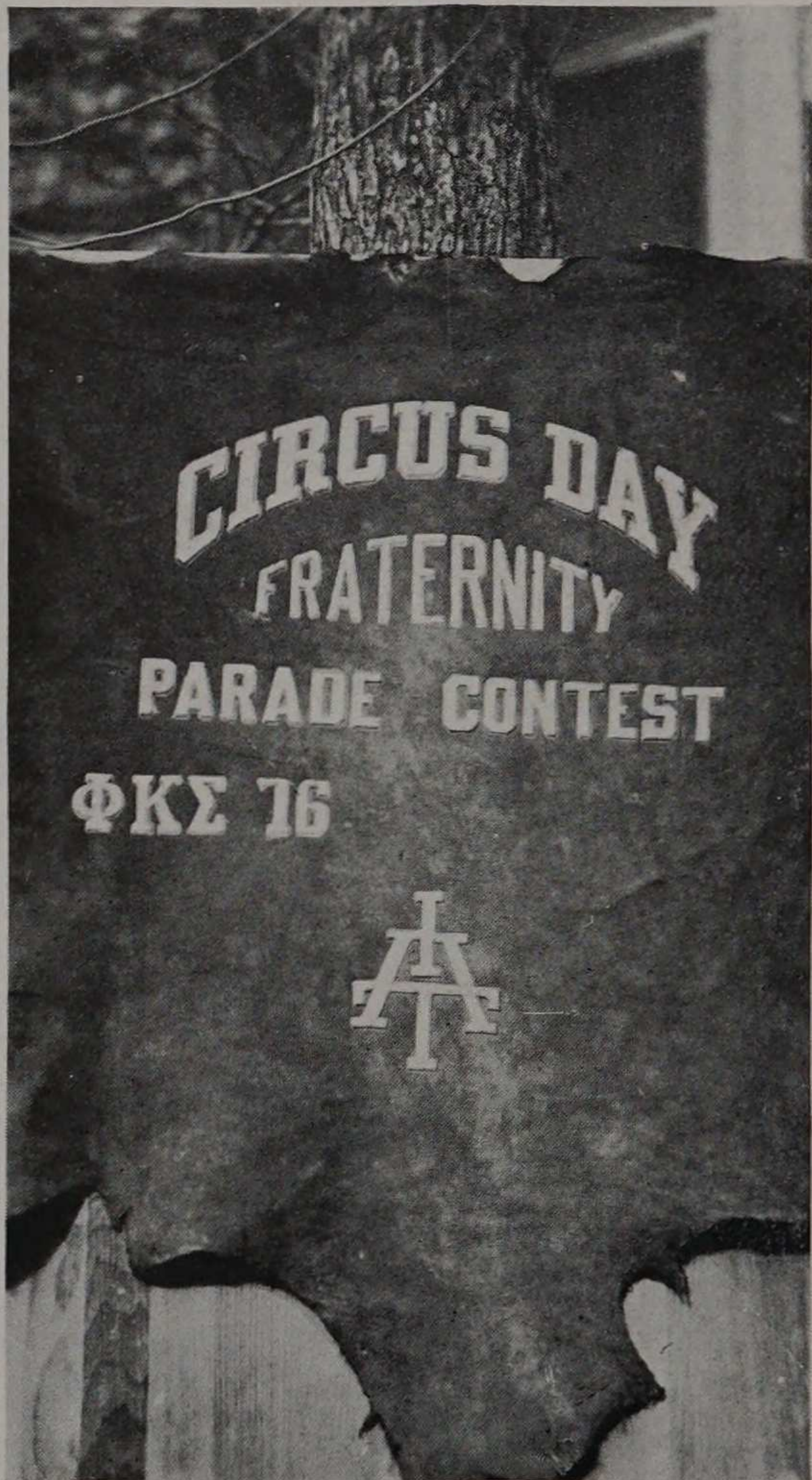


## The Submarine Episode

On circus Day when the early preparations for the various events had been completed attention became centered upon the south gate where a funny looking contrivance snorted for entrance. Passing through the gateway it proceeded

around the opposite side of the track under cover of a heavy cloud of white smoke. Upon drawing near, a gray colored submarine became discernable. Attached to the rear of the submarine by a heavy rope was a small shaggy fox terrier dog, and by a smaller rope a mallard duck. The owner of these symbolic creatures, Uncle Sam, stepped from the engine of destruction when it came to a standstill in front of the grandstand. Presently, the Kaiser emerged from the depths of the sub-sea boat and told Uncle Sam to hike to the Klondike Regions. Uncle Sam immediately presented several conciliatory notes. The Kaiser stamped these under foot and drew his sword. At this point the army and the navy came into action with howling and squawking, leastwise Uncle Sam crossed swords. After a short but decisive engagement, in which Uncle Sam easily had the reach over derr Kaiser, our powers knocked the sword from the enemy's hand and forced him to surrender. Thereupon they shook hands, descended into the submarine and submerged.

Due to the originality and the clever acting of George Burns and Theodore Schulze, the Circus Day Trophy Skin was awarded to the Phi Kappa Sigma Fraternity.





## “Tech Days”

On Wednesday evening, May 3, 1916, at the Central Music Hall was given the annual Junior Play, called “Tech Days,” before a packed house. This play was a wonderful success, as evidenced by the appreciation shown by the audience, but more than that was a distinct innovation at old Armour. It was “Tech Days,” a play dealing with Armour life, with its athletics, its college spirit, its humor, and its ideals and withal so full of familiar locations and “Armour pep” besides innumerable college songs, that it simply carried the audience “off its feet,” and gave to them the most enjoyable Junior Play they had ever seen.

“Tech Days” was arranged by our Second Marshal, Robert F. Schreiner who also wrote the songs heard during the play, and more than that sang three of them himself. The play itself dealt with the Armour Track Team and their meet with Lake Forest College.

Harold G. Ingraham, as Joe Thompson, Captain of the Armour Track Team, was at his best in this part and that means he was good. (Oh, you Bert Williams)

John W. Tierney, as Bob Turner, star dash man, was the sensation of the evening as an actor, and we all know him as a real sensation in the track. The fact that Jack’s part seemed so natural to all, made the play all the more realistic.

Leonard E. Starkel and Melverne C. Cole took the parts of Captain Joe’s friends to perfection and handled themselves so easily and well that they seemed professional actors.

Mr. James D. Harvey, as Jack Dudley, a fussy freshman was a distinct favorite and some song bird.

Abe J. Plocinsky and Louis E. Given as Assistant Professor Meanwell and Mrs. Fairfax respectively handled these difficult character parts magnificently and their success was evident from the appreciation received from our fathers and mothers at the play.

Now, for the best part of all! The Girls! And such girls! The most beautiful girls who ever attended Armour Institute! Fact—!

Olof E. Andren, as Alice Fairfax, set all the manly hearts aflutter with his delicate voice and figure, his high heel shoes and evening costume. It was a shame to remove his wig at the end of the play. He was that good in his part, he should have kept it.

Harold A. Kleinman, as Helen Mansfield, the heroine, was a real heroine and was so bewitching the hero almost forgot some of his lines during the play.

Arnold H. Smith, Harry M. Goodman and Stuart R. Evans all took their parts well. The telephone conversation of the latter gentleman, or lady, I should say, was a great hit.

The rest of the parts were all taken with a vim and pep that characterized the whole play, and every participant was deserving of praise as well as thanks for his sacrifice of time and effort to make the play a possibility and success.

The big act was the third. The scene was the dressing room of the Armour Team during the big meet.

The atmosphere was one of sustained and strained nervous tension, amidst the pistol shots and first and last calls, the exhortations of “Long John Hommer”



S O C I A L

and the Captain and the grand climax of winning the meet in the last race by the slim margin of one point. It was a stirring scene and a masterpiece.

The big song hits of the show were as follows:

In act one, Stuart N. Miller sang "Don't Blame it All on Wilcox". This song will explain itself.

"Big Bob" Schreiner sang "We're the Armour Class of 1917" and the Play closed with "When its Time for me to leave old Armour Tech".

Harvey sang "We Take our Hats Off to You 1916," and "Oh, you Circus Day."

The big hit of the evening was sung by our Second Marshall, "Hello, Dean Monin, How Are You." The song follows: (Sung to tune of "Hello, Hawaii; How Are You")

*1st Verse—*

We've got a professor here whom you all know,  
He's been at this place since many years ago,  
His name is one we all adore,  
For he never has been known to bore,  
And we grow to love him more and more,  
As the years go by.

*Chorus—*

Hello, Dean Monin, How are you?  
I just thought I'd call you up to say, to say to you,  
How are you, how are you, Dean Monin?  
You are the one Prof. we all love the best,  
For you teach to us Economics, Logic, too,  
But the one best thing is your friendship, which is TRUE.  
Oh, hello, Dean Monin, how are you tonight?



SOCIAL



Edith  
Nortel



Helen  
Mansfield

Junior  
Pray  
"TECH  
DAYS"

MAY 3, 1916



Alice Fairfax



Mrs. Fairfax



Prof. Meanwell



S O C I A L



LOOKING SOUTH ON FEDERAL STREET



## The Freshman Handshake

Traditions are all too few at Armour. But custom prescribes that the first Friday night of the school year be spent in welcoming the Freshmen, in making them feel at home among us, and in helping them generally in becoming better acquainted with Armour Men, with Armour customs, and with the Armour spirit. And this year's Handshake, held at the Hyde Park Y.M.C.A., on Sept. 15, 1916, was largely successful in accomplishing all these results, tho a good many of the Freshmen apparently suspected that the Handshake was simply a well-laid plot on the part of the rather-feared Sophs to kidnap any unsuspecting Frosh who were foolish enough to fall for their game. But those who did turn out found that the entire school took a friendly interest in seeing that every Freshman present had a good time at this, his first Armour function.

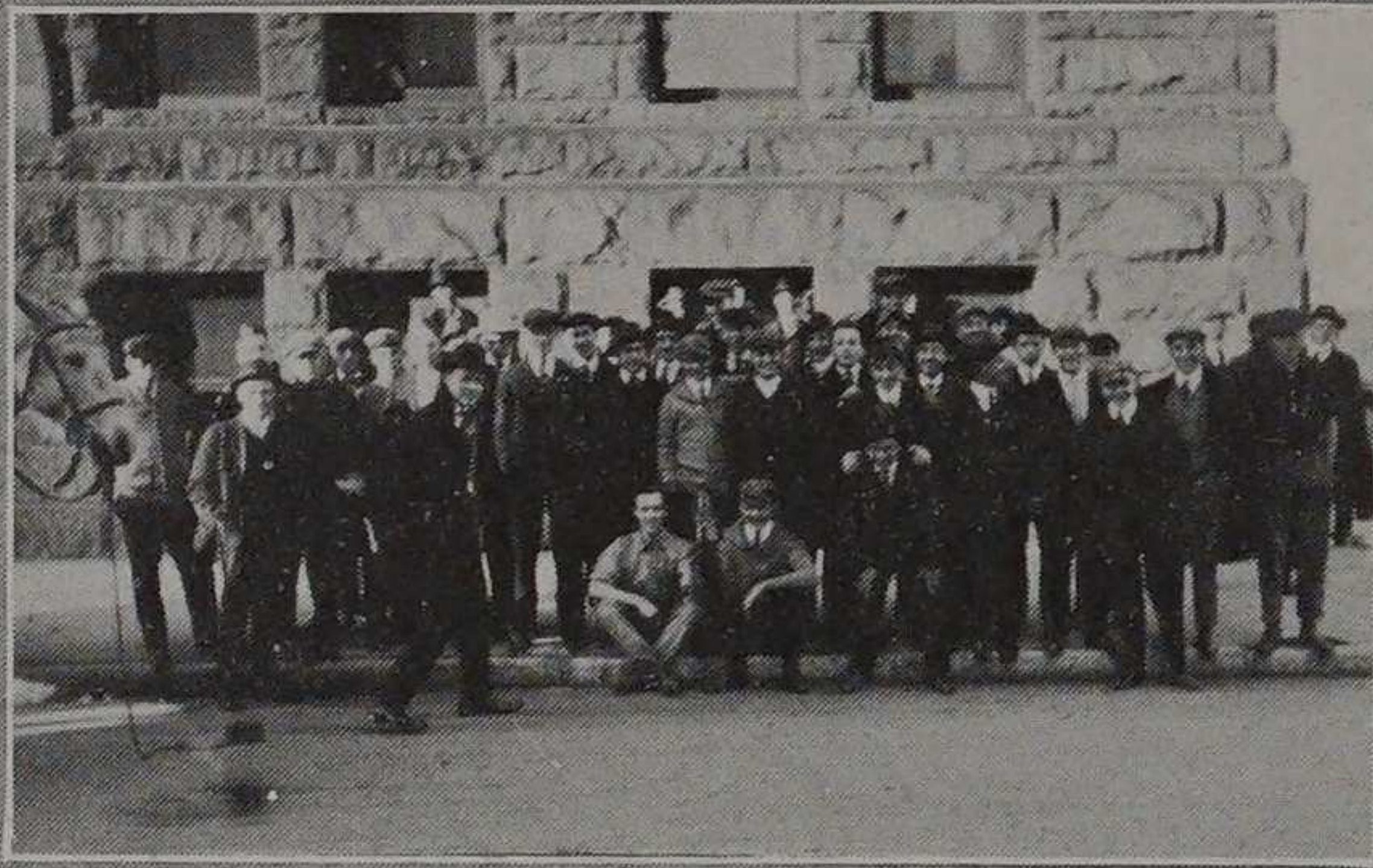
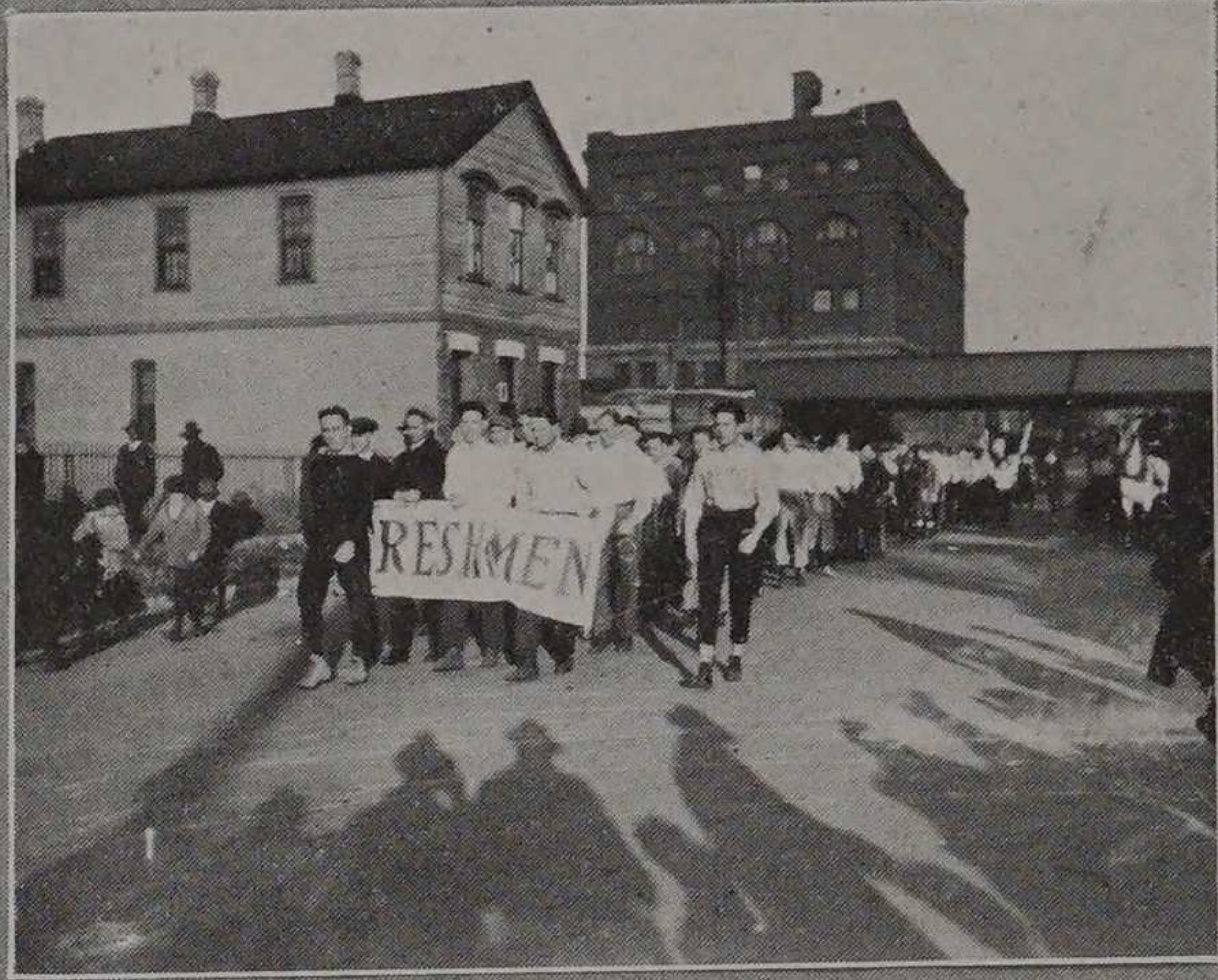
After spending the early part of the evening in the large, but crowded, reception room, and in the smaller, but more crowded, billiard room, in renewing old acquaintances and in forming new ones, the fellows gathered in the auditorium for the evening's program. "Mac" Stone loosened things up a bit and got the fellows into the proper spirit by leading off with a "Yea, Armour". President Owen then took charge, and called upon Lutge, the Department Secretary, for a few words concerning the objects and program of the Armour Y.M.C.A. Dr. Scherger, who is noted for his ability to interest the students in subjects not technical, welcomed the Freshmen, and took advantage of the opportunity to urge upon all the fellows the necessity for the well rounded man, whether engineer, artist, lawyer, or what-not, to take an active interest in things not directly pertaining to his own business or studies. On behalf of the Chicago Y.M.C.A. Mr. Carl Nutzen then gave a few words of greeting, and told of some of the work done by the Y. M. C. A. Prof. Penn followed with the Tau Beta Pi talk, without which no Handshake would be complete, outlining the aims of Tau Beta Pi and the requirements for eligibility to membership, and President King of the Rooters Association, closed this speech-making by telling of the purposes of that organization, and urged upon all the fellows the importance of supporting school functions of every kind.

At the beginning of the program Owen had explained that the Tech Quartet had promised to furnish music for the evening, and had been present, but Le Valley had disappeared. It was rumored that he was calling upon one of his friends who lived near by—and so before each speaker was announced there was a call for Le Valley. But until King had finished speaking, only the echo came back. Jack finally arrived, however, and the quartet made a bigger hit than usual—which, we rise to remark, is going some.

The evening closed with eats in the form of frappe and wafers, which somehow seemed to disappear with strange rapidity, and a series of swimming events in the tank.



SOCIAL



SCENES FROM THE SACK RUSH



## The Sack Rush



The Freshman-Sophomore rush which took place on the afternoon of October 29th, in the Webster School yard, was a huge success. For the first time in years it was held with the consent of the President and the Deans, but this

fact did not destroy the general enjoyment of the affair.

The four classes collected in front of the school buildings and marched over to the field of combat, led by a band. During these maneuvers the Juniors and Seniors saw to it that the "Freshies" and "Sophs" were kept as far apart as possible. A little bird seemed to have whispered in the combatants' ears that they had better wear their old clothes, and the two classes resembled a mixture of an Italian track gang and a football squad. It was a great shock to the upper classmen to identify some of the toughest looking specimens as their friends.

On arriving at the field, the "Sophs" were placed behind a football goal at the north end, and the "Freshies" were stationed behind another goal at the south end. Each side had five sacks behind their goal, which they promptly salted down in as easily defended a position as possible; and there were also forty sacks distributed along a line across the middle of the field. At a pistol shot from John Schommer, each side made a mad rush and grabbed as many sacks as possible. Each sack had a Junior and a Senior to referee it, though these gentlemen did not seem to know all the time just where they belonged. The referees stopped all





## SOCIAL



personal scraps, and endeavored to keep the number of men on a sack below eight.

After a great "rough house" lasting twenty-five minutes the combatants were "all in" and were glad to stop when the final shot was fired. The "Freshies" had thirty-six sacks behind their goal and the "Sophs" had thirteen. Each of these sacks was counted as five points. The remaining sack was still hotly contested in "Soph" territory a few feet from the center line, and counted one point for them. The success of the "Freshies" was attributed to their numbers, which enabled them to raid the "Sophs'" goal successfully while protecting their own.

After the two classes had their pictures taken with their captured sacks, they returned to school with torn shirts, missing hats, and dirty but happy faces. Each class carried their sacks, and they paraded on Ogden Field for a few minutes before retiring to "doll up".

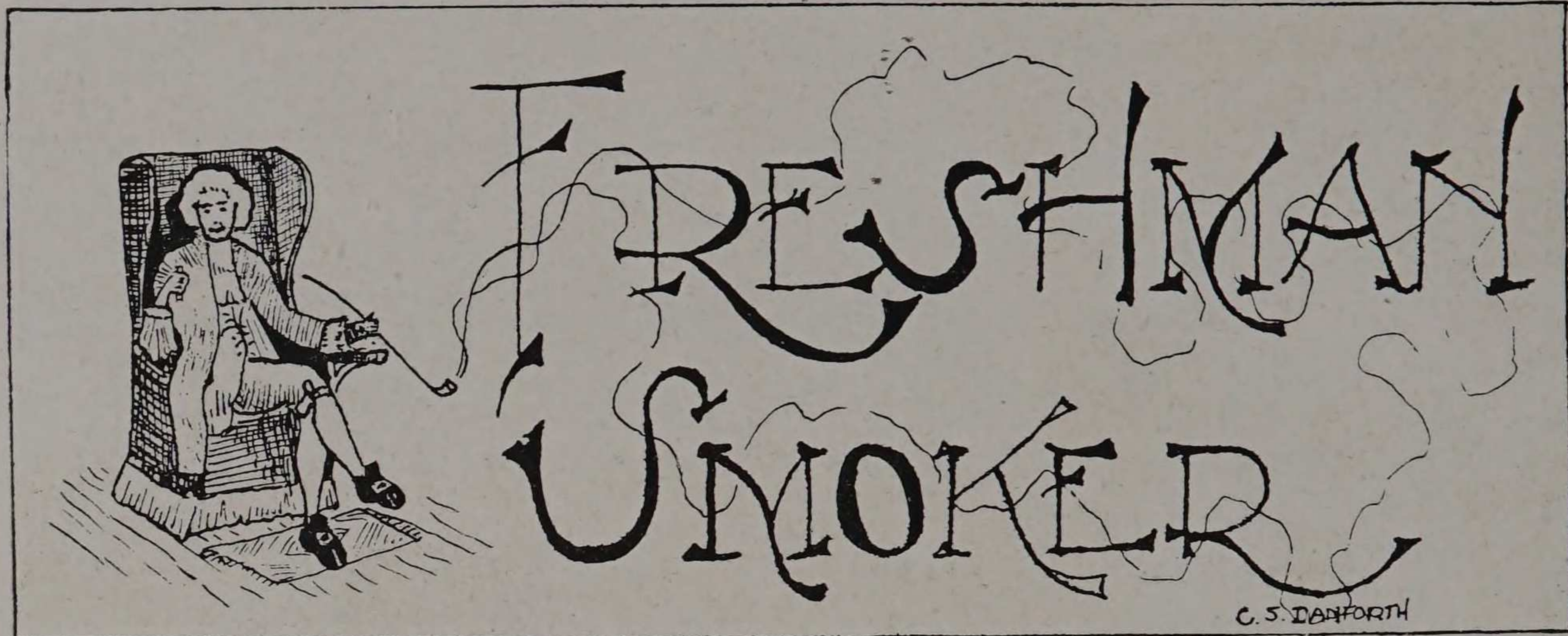




S O C I A L







All those who have attended Armour "Frosh" Smokers will, no doubt, recall the intense, confining atmosphere of the assembly—an angry glare, a hasty remark, a sudden plunge, and the staid upper classmen were needed to separate the over-zealous and supervengeant Sophs and Infants. For these affairs were handled scientifically, the combatants to be, were carefully kept apart, conservation of energy being the slogan. This year, this crowning event was accompanied by no such emotions.

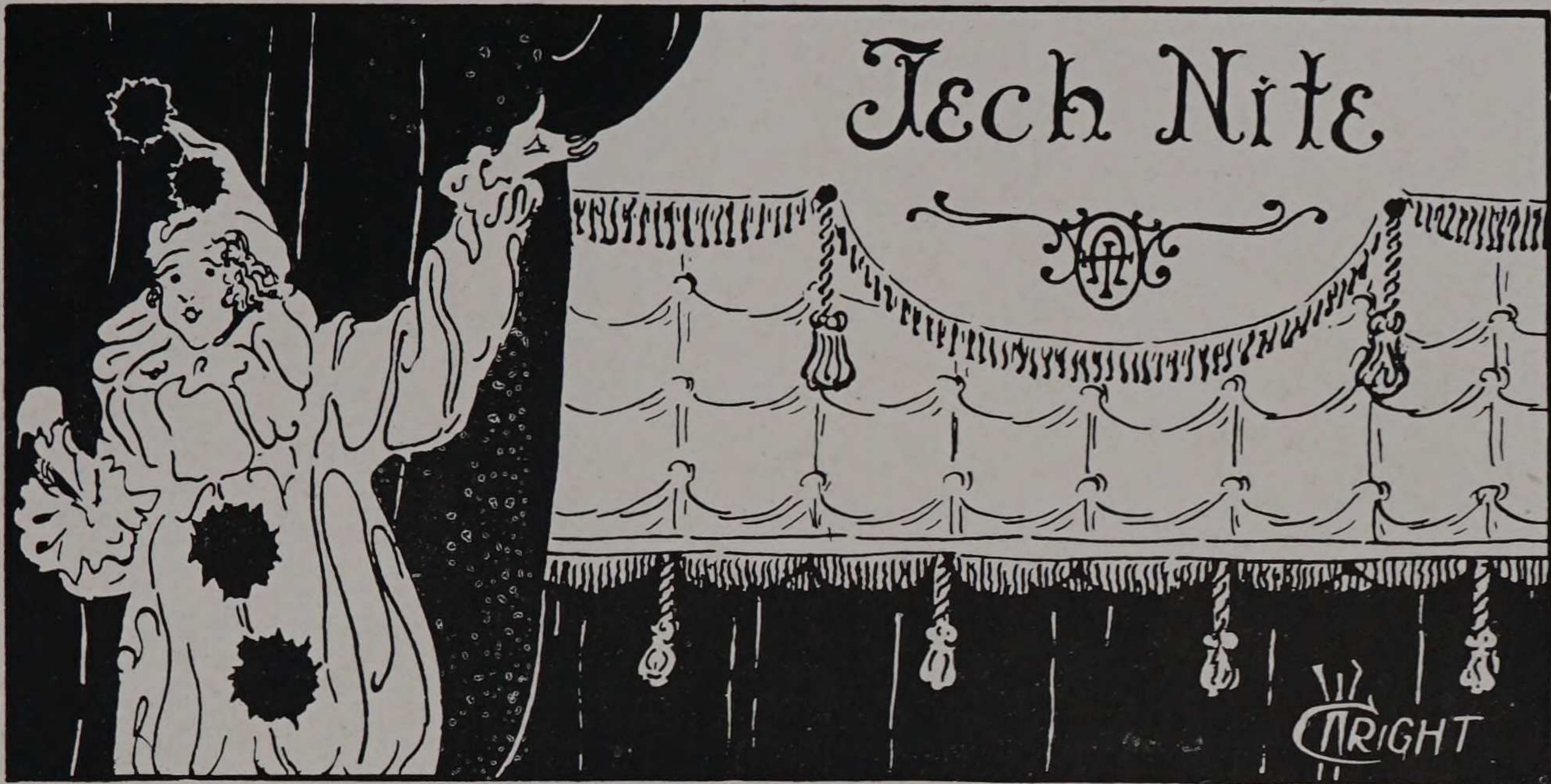
The class rush having been officially ordained, sanctioned, and blessed, was held the afternoon of October 27, and the great question of lower class supremacy settled once and for all. Many prophesied that holding the rush before the smoker was "putting the cart before the horse," but such was not the case.

The Smoker was held at the Oakland Music Hall with L. A. King, President of the Rooters Association, in charge, and that is the secret of the success of the evening. Everyone was amiable and satisfied, personal grudges were forgotten, and the evening was entirely given over to a bigger and stronger school spirit. Pipes were passed and the hatchet was buried.

A short business meeting was held, H. B. Maguire was elected President and resolutions of appreciation and thanks to Dr. Gunsaulus and the Deans were passed. The rest of the evening was given over entirely to a musical program.

Charles and his saxophone sextet were there and an appreciative audience kept them busy for over an hour. They were followed by the "old reliable" Armour Glee Club who also did themselves proud. A request was then made for Pat Dougherty's Brass Band and this was the climax of a very pleasant evening. So passed another Smoker, the biggest and best ever held at Armour.





Again it can be said that Tech-Nite has united a crowd of loyal Armourites and added another enjoyable evening to their social activities. The usual time for this annual get-together meeting is about the middle of the second semester, but this year it seemed as though the managers of Tech-nite waited for an especially good bill at the Palace Theatre, so on Friday evening, March 16, they heard that a world-beater show was in store for the watchers, and the date was set.

In one of the several Tech-nite bulletins it was shown that Shorty Maguire signed his howson lot away when arranging for the tickets for the evening. The theatre management still remembers our first Tech-nite about four years ago. From statistics we find that about two hundred loyal Armourites found seats in the balcony on this eventful night, but from the applauding of the boys the performers must have thought the whole town had crowded together into the theatre.

That we were all keyed up was shown by the encores received by the unendurable roller-skaters at the start. When they left the stage they cried: "Eureka! At last we are good!" This clapping "enmasse" was continued to the benefit of everybody concerned, and the boys all seemed to have taken military science, the way they kept time with one danseuse's steps.

The youthful composer, Harry Carrol, showed that he could not only write, but sing, his compositions. And when that Imperial Russian Ballet strutted across the stage!? Yes, we all applied for our passports to the Duma without censorship. Mr. and Mrs. Pat Rooney gave us a treat in their new addition, and when Harry Carrol encored with "Pat Somewhere on Broadway!!" How do they do it?

It's all over now, but the Armour Yell started by Stew Miller, and the pep shown was wonderful. Afterwards, most of us went home—later.

A Tech-nite to be remembered; and may they continue forever.

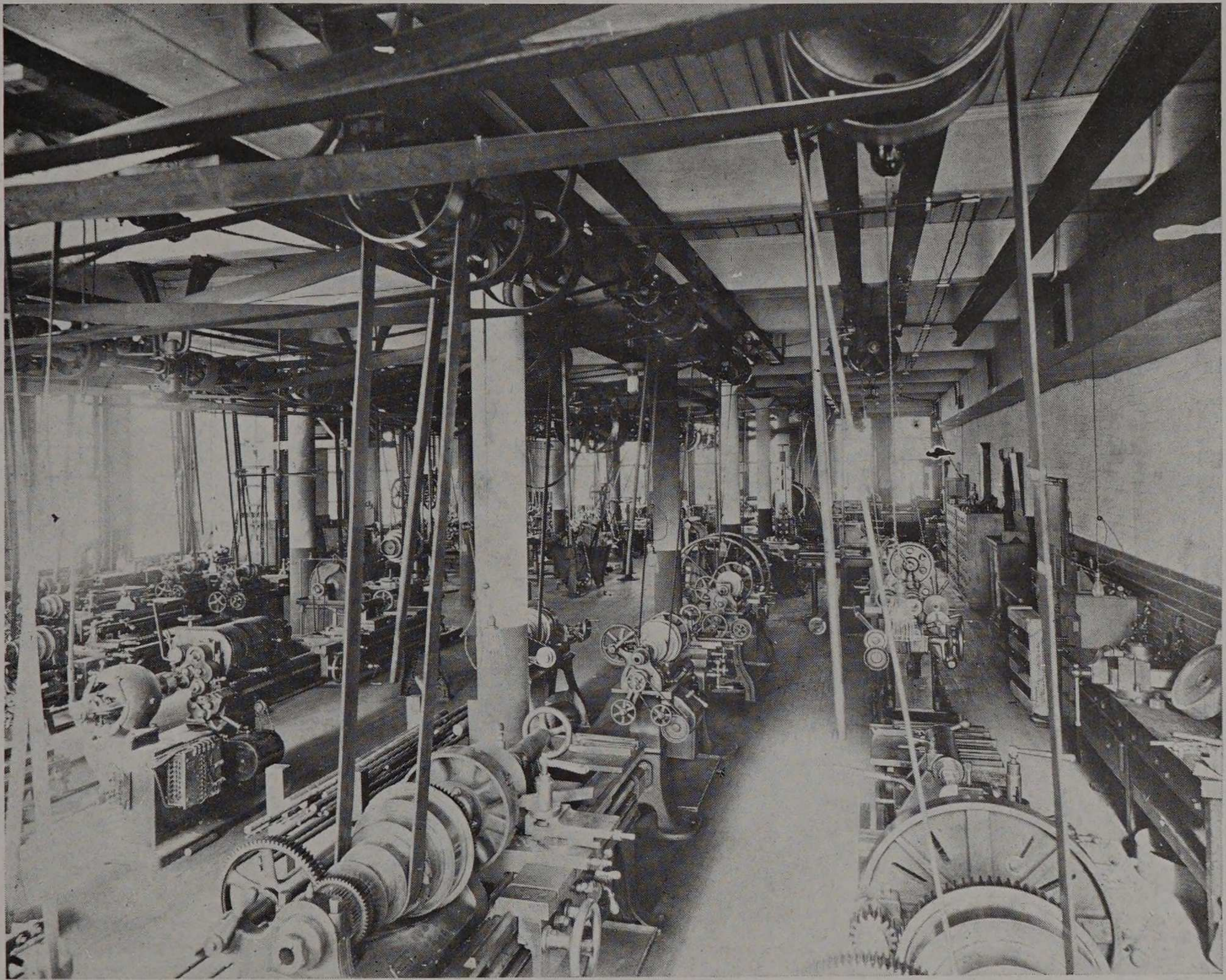


SOCIAL





S O C I A L



MACHINE SHOP



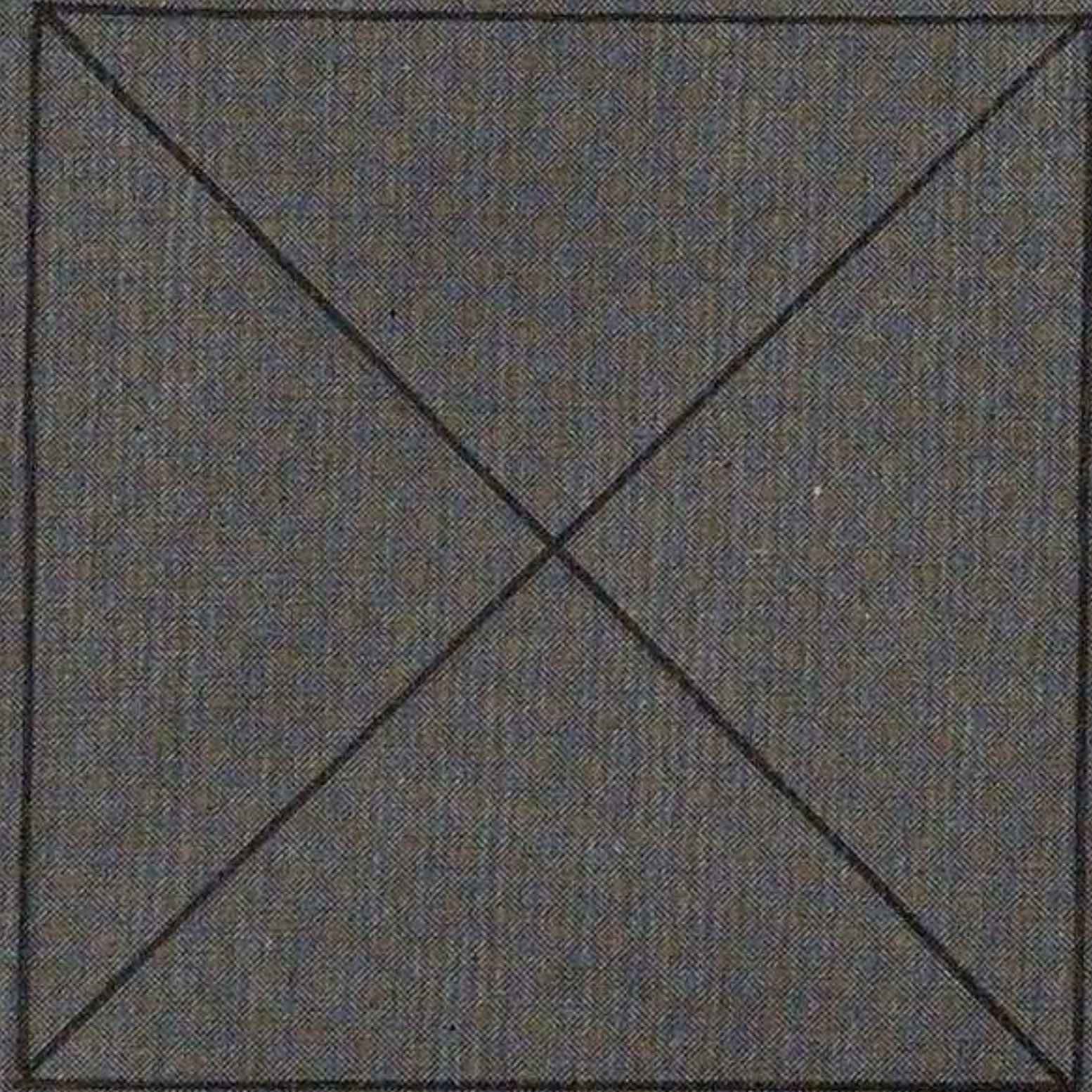
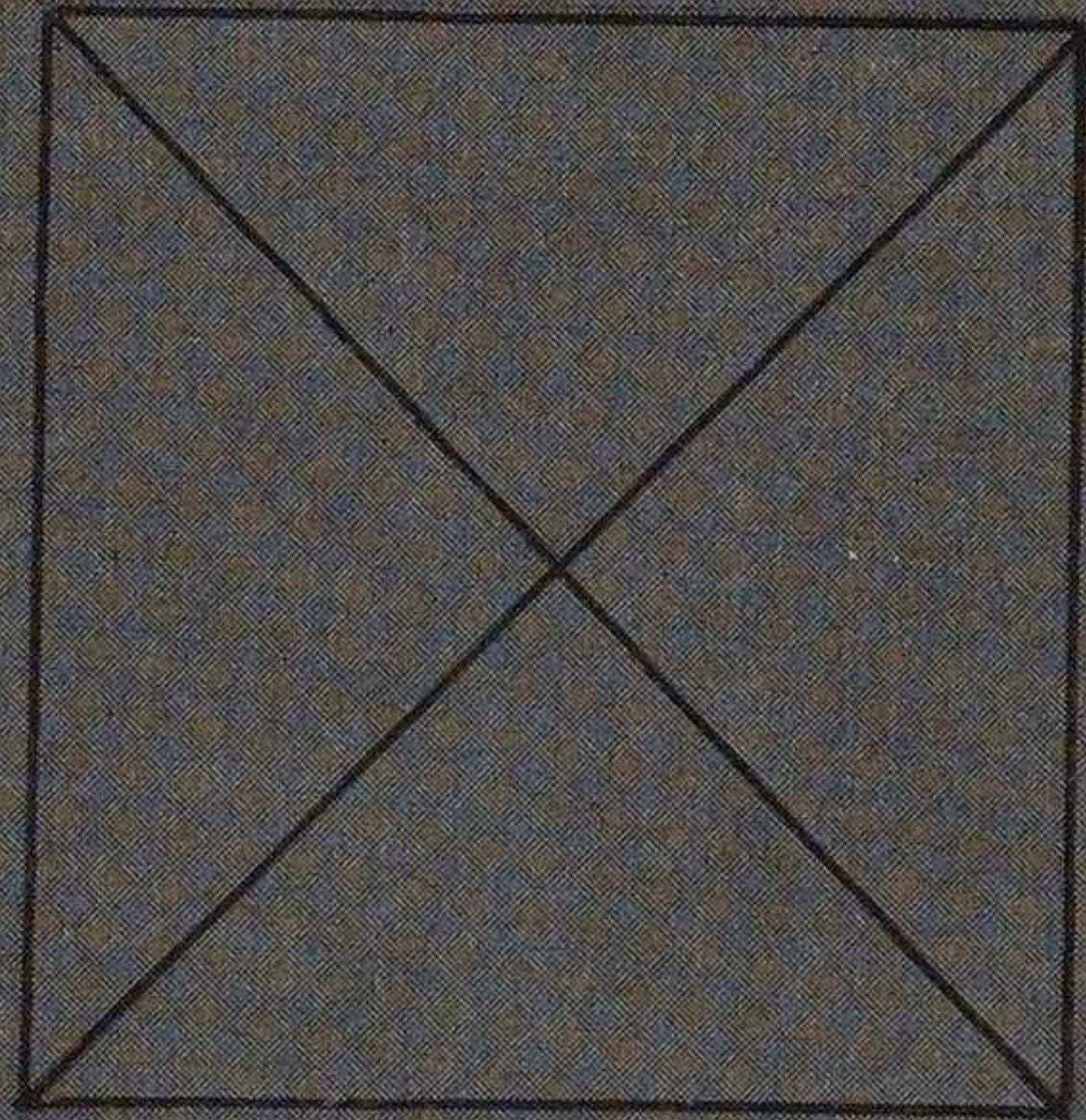
# The Cycle "Powers"



"Ye Ed"



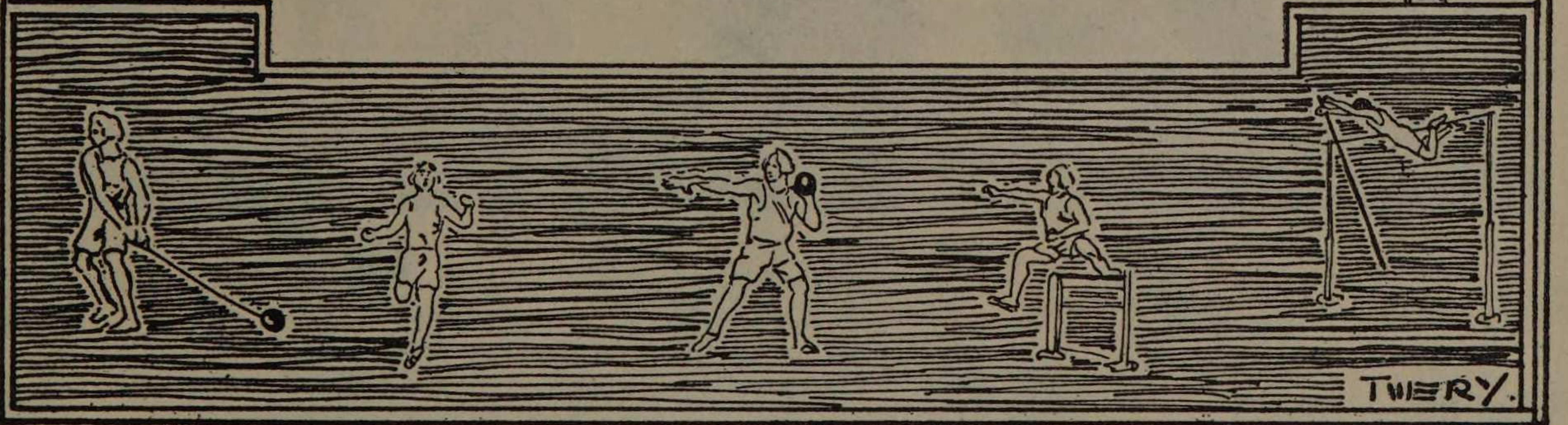
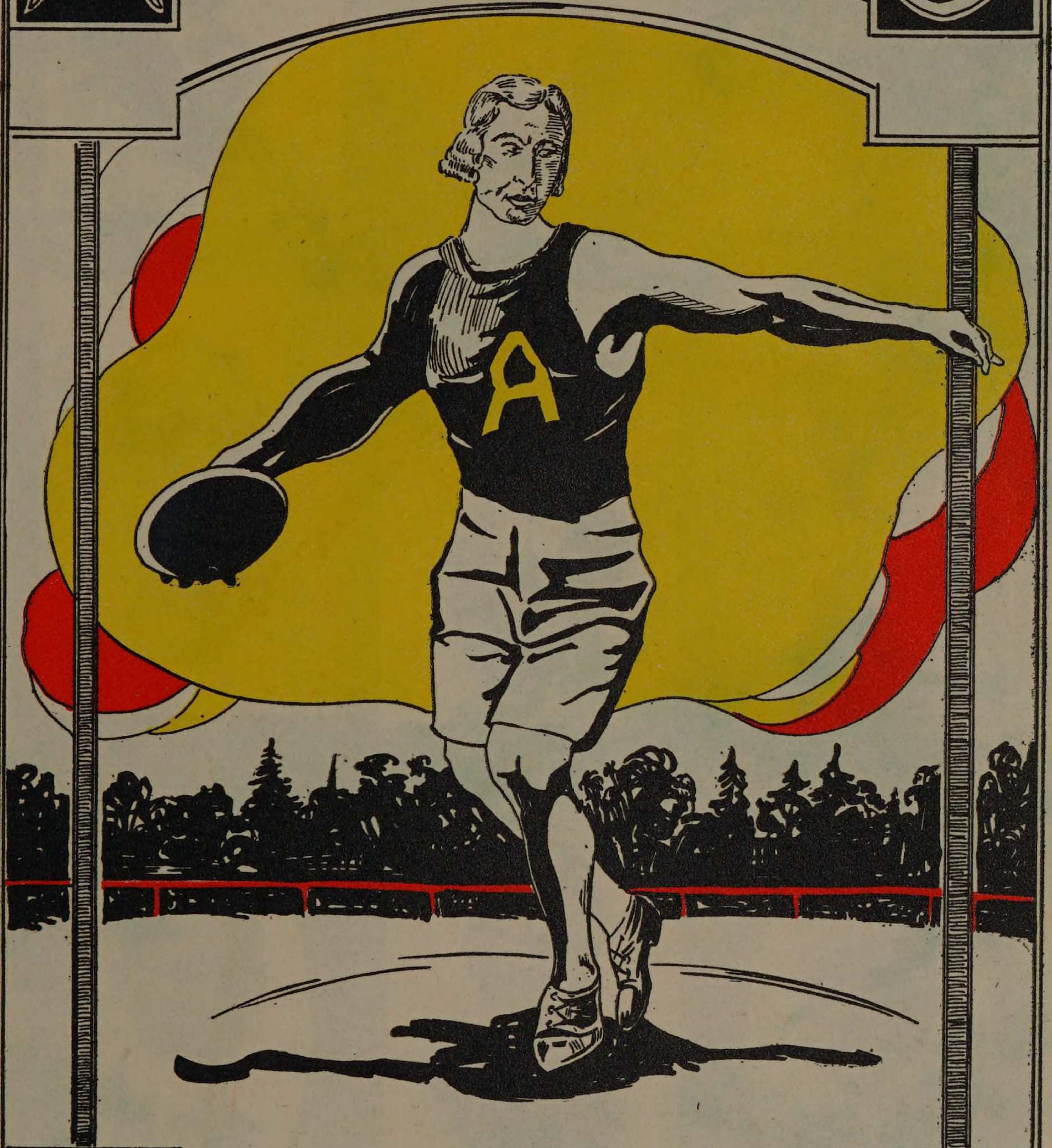
"Ye Bus. Mgr"



"Ye Man. Ed"



# ATHLETICS









ATHLETICS



H. M. RAYMOND  
DR. H. B. THOMAS  
O. M. HULLINGER

A. L. SCHRIEBER  
C. W. LEIGH  
W. K. SMART

F. C. MONIN  
L. U. SMITH  
A. E. MAITRE



ATHLETICS

Wearers of the "A"

- |  |  |
|--|--|
| ABRAMS<br>Basketball, 1915   | KERR<br>Baseball, 1916<br>Basketball, 1917<br>Track, 1916                        |
| ALENDER<br>Baseball, 1915  | MOUAT<br>Baseball, 1915<br>Basketball, 1915, 1916<br>Track, 1915                 |
| ALTER<br>Track, 1913, 1914   | MENDIUS<br>Track, 1916   |
| BEADY<br>Basketball, 1917  | PASKILL<br>Baseball, 1914, 1915  |
| BREADY<br>Baseball, 1915   | SULLIVAN, J. E.<br>Basketball, 1913, 1914, 1915, 1916<br>Track, 1913, 1914, 1915 |
| BRUCE<br>Baseball, 1914, 1916  | T. SULLIVAN<br>Baseball, 1912, 1913, 1914, 1915<br>Basketball, 1915              |
| BROMAN<br>Baseball, 1914, 1915, 1916<br>Basketball, 1915   | A. SULLIVAN<br>Track, 1916   |
| CHAMBERLAIN<br>Baseball, 1912, 1915  | SCHREIBER<br>Track, 1915   |
| CONWAY<br>Baseball, 1915, 1916<br>Basketball, 1916, 1917   | SANDROFF<br>Basketball, 1915, 1916, 1917<br>Track, 1915, 1916                    |
| ERICKSON<br>Basketball, 1917   | TAYLOR<br>Basketball, 1916, 1917   |
| EVANS<br>Track, 1915, 1916   | TRINKHAUS<br>Basketball, 1913, 1914, 1915<br>Track, 1913, 1914, 1915             |
| HULLINGER<br>Baseball, 1915, 1916  | TIERNEY<br>Track, 1914, 1915, 1916   |
| HOOKE<br>Baseball, 1911, 1913, 1914, 1915  | WATT<br>Track, 1914, 1915, 1916  |
| HILL<br>Baseball, 1914, 1915, 1916   | WATT<br>Basketball, 1916, 1917   |
| HERMAN<br>Baseball, 1913, 1914, 1915   | WILLIAMS<br>Track, 1915  |
| HALL<br>Baseball, 1914, 1915   | WILCOX<br>Baseball, 1915, 1916<br>Basketball, 1915                               |
| KING<br>Track, 1914<br>Baseball, 1915, 1916<br>Basketball, 1914                                    |  |
| KUTTNAUER<br>Baseball, 1916  |  |
| KATZINGER<br>Baseball, 1913, 1914, 1915<br>Basketball, 1913, 1914, 1915<br>Track, 1913, 1914, 1915 |  |



## Season Review, 1916



More men answered the call for spring track work in 1916 than ever turned out on any previous call. Two dual meets with Northwestern College were won. In the Conference in a record smashing affair our boys were not in it. Tierney, who won a first and second in the 1915 annual meet, couldn't place. Lake Forest, who won it in 1915, barely beat us out for fourth place.

Kerr, Sandroff and Sullivan, the freshmen high jumper performed best for Armour.

In baseball with a good infield and two excellent pitchers that were developed here, Wilcox and Broman, we should have won the Championship.

The team that won Lake Forest beat us on percentage. We defeated them one game and they played us a 3 to 3 eleven inning tie at their field. Disobeyal of orders in bunting and running bases allowed our opponents to tie us. We finished second and had Lake Forest played Beloit College a cancelled game at Beloit the chances were much in our favor for the championship. Wilcox, Hill, Broman, Paskill and Mouat closed their baseball careers for Armour.

In basketball from a standpoint of winning games we were a dismal failure. However, adverse criticism is out of place. The team as a whole were excellent fighters and not quitters. Our apponents had to fight every inch of the way.

The team missed the fire and leadership of Sullivan and Mouat who graduated. Nobody could be found to take their places as goal shooters. The team as goal shooters was the poorest the "Tech" ever had. The boys may have had hard luck but whatever it was, it was consistent thruout the year.

Also, the team was severely handicapped by the sickness of Conway most the first semester and by Capt. Sandroff's illness.

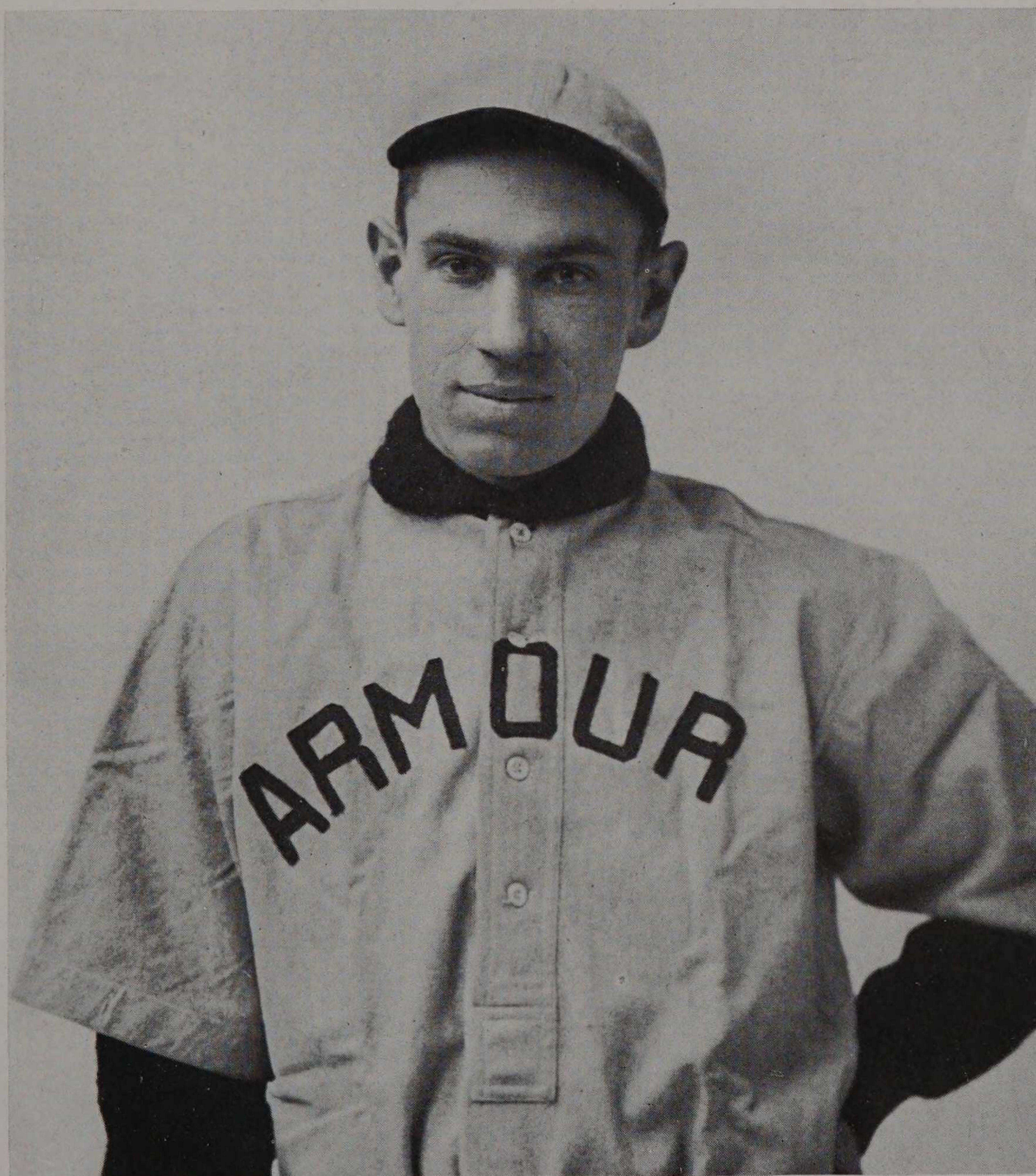
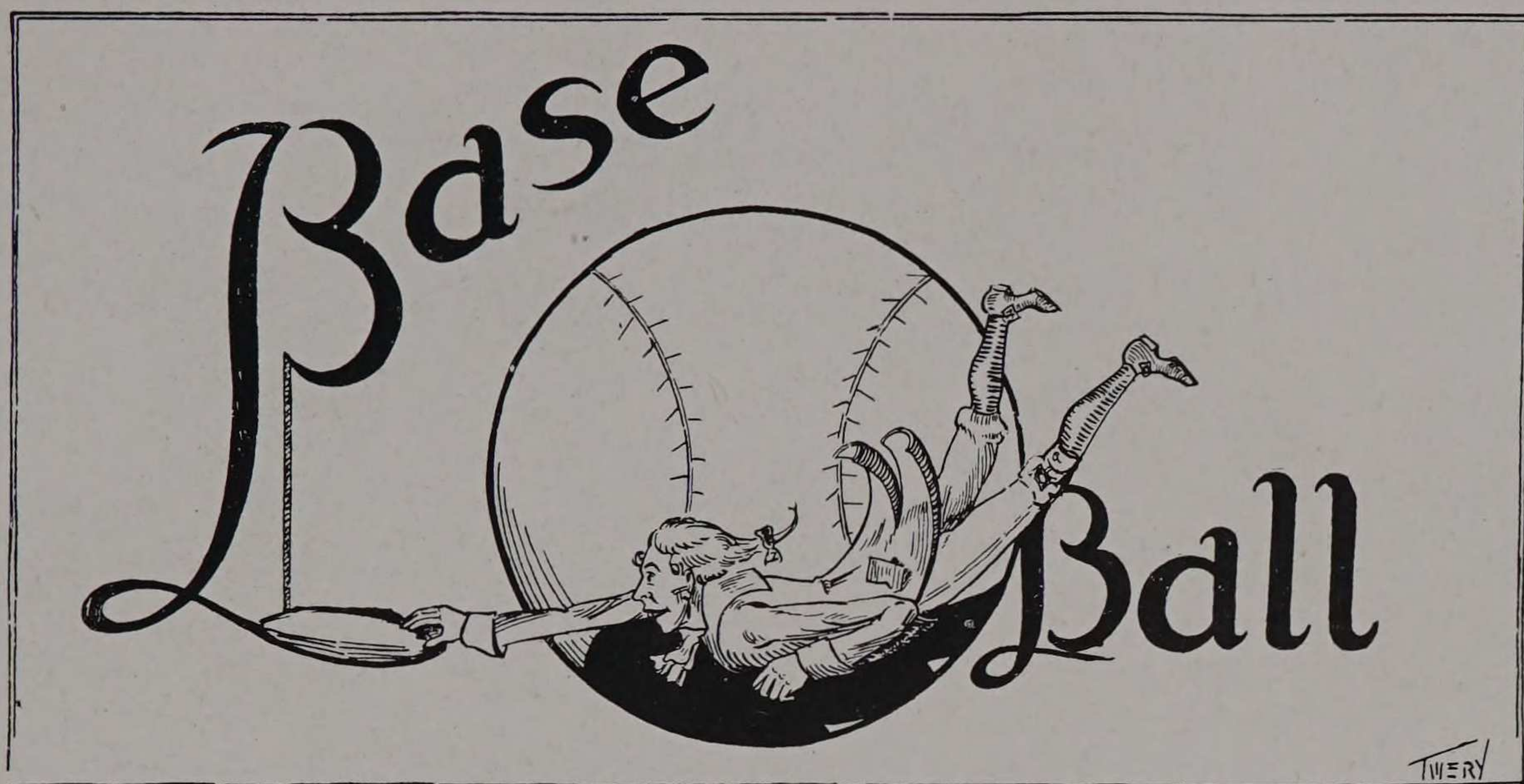
JOHN J. SCHOMMER



## ATHLETICS

As the CYCLE goes to press, it is announced that all branches of athletics are to be discontinued for the present; and in their stead will be substituted military training. We are sorry to have to miss the regular baseball games this year, but our regrets are tempered by the fact that Armour students will have the opportunity to fit themselves for whatever service the future will demand of them.

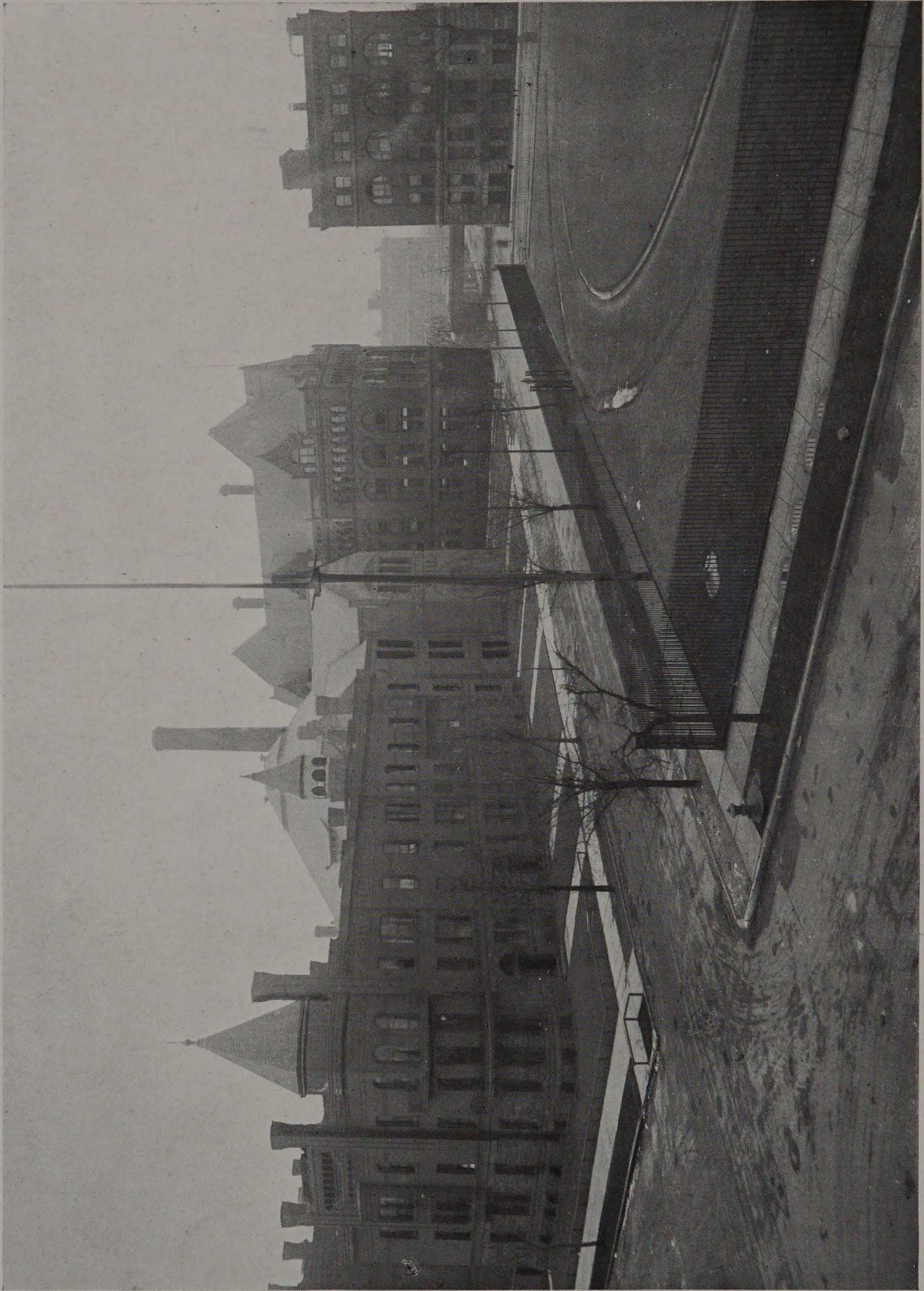




CAPTAIN PASKILL



ATHLETICS





## Base Ball



KING.—As the Armour fans meditate they remember a man who, when Armour was “up against it” for pitchers, set out to climb the pitchers ladder of fame” and help old Armour Tech to keep her time honored name in baseball. This was “Laurie” and he has been on the mound for the past two years developing a “spit ball” and control that made the batters groan inwardly as they saw him put that “pill” up to his mouth for they knew what that meant. The team back of him took a snooze when Paskill signalled for one of those spitters. At bat “Laurie” had a peculiar manner of holding the willow, but it always met that horsehide cover and placed it in an out of the way place, especially when some of the bases had Armour inhabitants on them. King batted around .300 all season and that speaks for itself. This coming year “Laurie” will be the mainstay on the pitching staff as he is the only “Vet” pitcher left. But we know “Laurie” and know that he will give old Armour Tech all that there is in him.

HULLINGER.—If by chance we see a wild throw go somewhere in the near vicinity of first base, we are consoled with the thought that waiting for that wild throw is a long, lanky, left-handed fellow who has the very desirable habit of “scooping up” the low ones and netting the high ones that come his way. “Hullie” plays the game every minute and it is a joy to see the way he plays this all-important place on the infield. With the willow “Hullie” had the habit of planting that little pill just out of reach for a single, but, these singles came often and when they did come they counted. “Hullie” led the batting of the conference with an average of .343 all season which talks in an understandable, unknown language of its own. He was “spiked” on the Galesburg trip which put him out of the last few games. He will be with us for two more years and if first base isn’t one of Armour’s strongest points, then we miss our guess.



HALL.—As a fellow who made one take a good deep breath, enjoy it, made every player on the team glad he was living and “on his toes” all the time, Hall was there and over. Whether he was taking pot shots at Bruce on third or sizzling the ball to “Hullie” on first, Hall always played the same consistent game on second. He held down that position against all comers with a side splitting vengence. When Coach Shommer balled out a “Mouat alternate with Hall” it was all the same. With an average of .250 marked on his willow for the season, Hall could be depended on to do his duty when told to. It is with regret that Armour fans bring themselves to the realization that they are watching the last few games which Hall will play this season at Armour, for this is his last year with us. We expect much of him this spring and know that we won, be disappointed.



## ATHLETICS



CONWAY.—Ever since the time "Slip" went into action on the diamond in 1914, in the class series, it has been known that he "knew" baseball from the ground-up. Slip holds "short" down at an easy pace and proves at all times to be one of the strongest "cogs" in Coach Schomer's "machine." Slip is one of the best shortstops in the Little Five and a man that is greatly feared by all the twirlers in the game. As a team by themselves, Slip on short, and Hall on second, makes an ideal combination to stop "hot ones" and to catch all foolhardy men who attempt to steal second. Slip has gone so deep into the heart of old Armour, that it is with difficulty that we realize that this is his last year with us. His place will be exceptionally hard to fill next year with anyone who can anywhere near come up to him: Armour looks with pleasure and the other Little Five colleges with regret to see him work at second and with the willow this spring.

KERR.—Whenever there was a momentary lull in a game last year, you could always hear some one in the field yelling: "At a boy," "Eat 'em up," etc. When a fly went out to center field, this same individual was always under it. "Vol" played the outfield like a professional, smothering everything that came his way. At bat he spread them around in all the corners, and he never was "glued" to a base, or caught asleep.

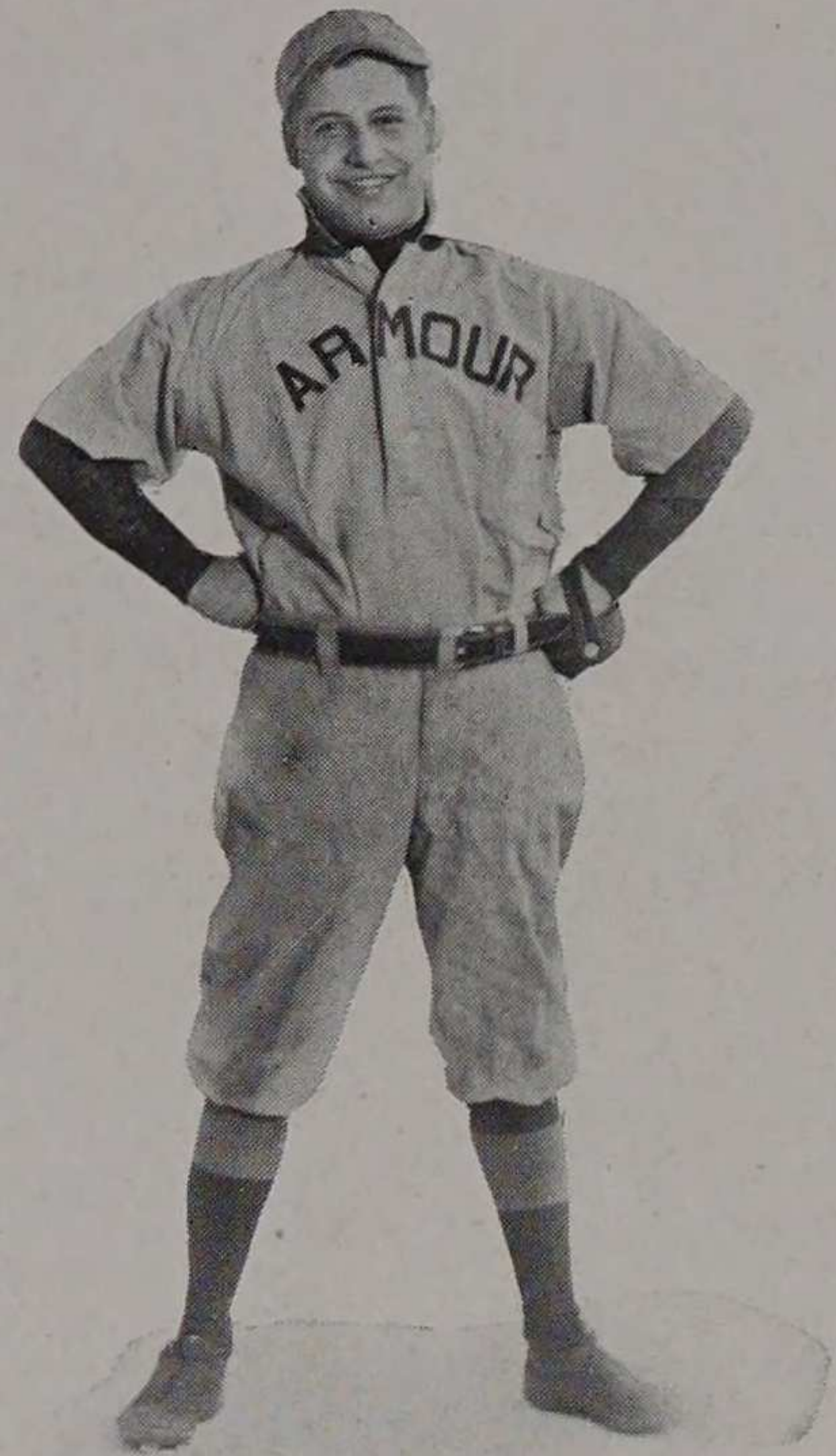


BRUCE.—When the grandstand heard a crack of the bat and saw that a "hot-one" had started for "someplace," they held their breath, but, let it out again with a sigh of relief when they saw that "hot-one" picked up and sizzled across the diamond to "Hully" on first, in almost merciless manner. With the Bruce, Conway, Hall, Hullinger combination, the team was kept up on its toes all the time and feeling like a horse fed on oats. Bruce with his original wit and quick-thinking ability made the people open their mouths with wonder. He had that famous "hook-slide" of his all season working to perfection, and had a peculiar knack of covering a powerful lot of ground and it was rare that the fastest of them could get past him. We are lucky to have him with us for two more seasons and expect to see some good work on third.

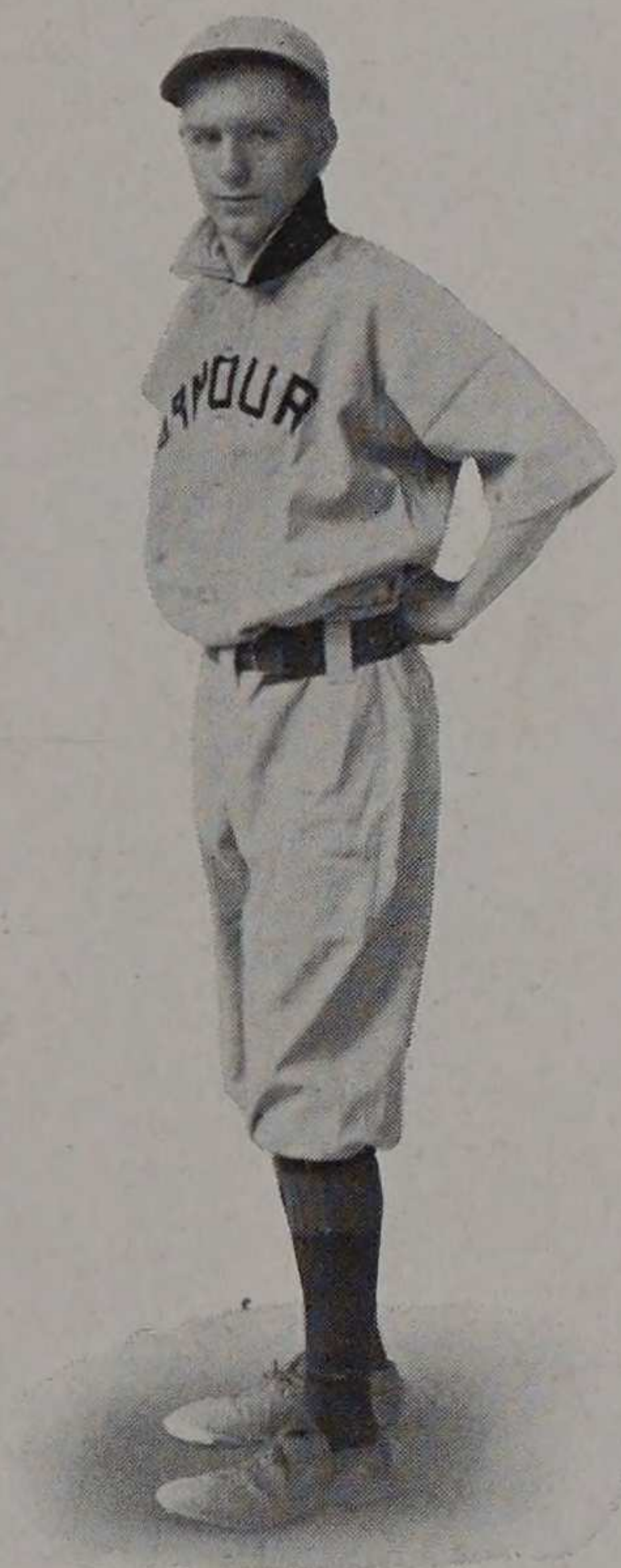


## ATHLETICS

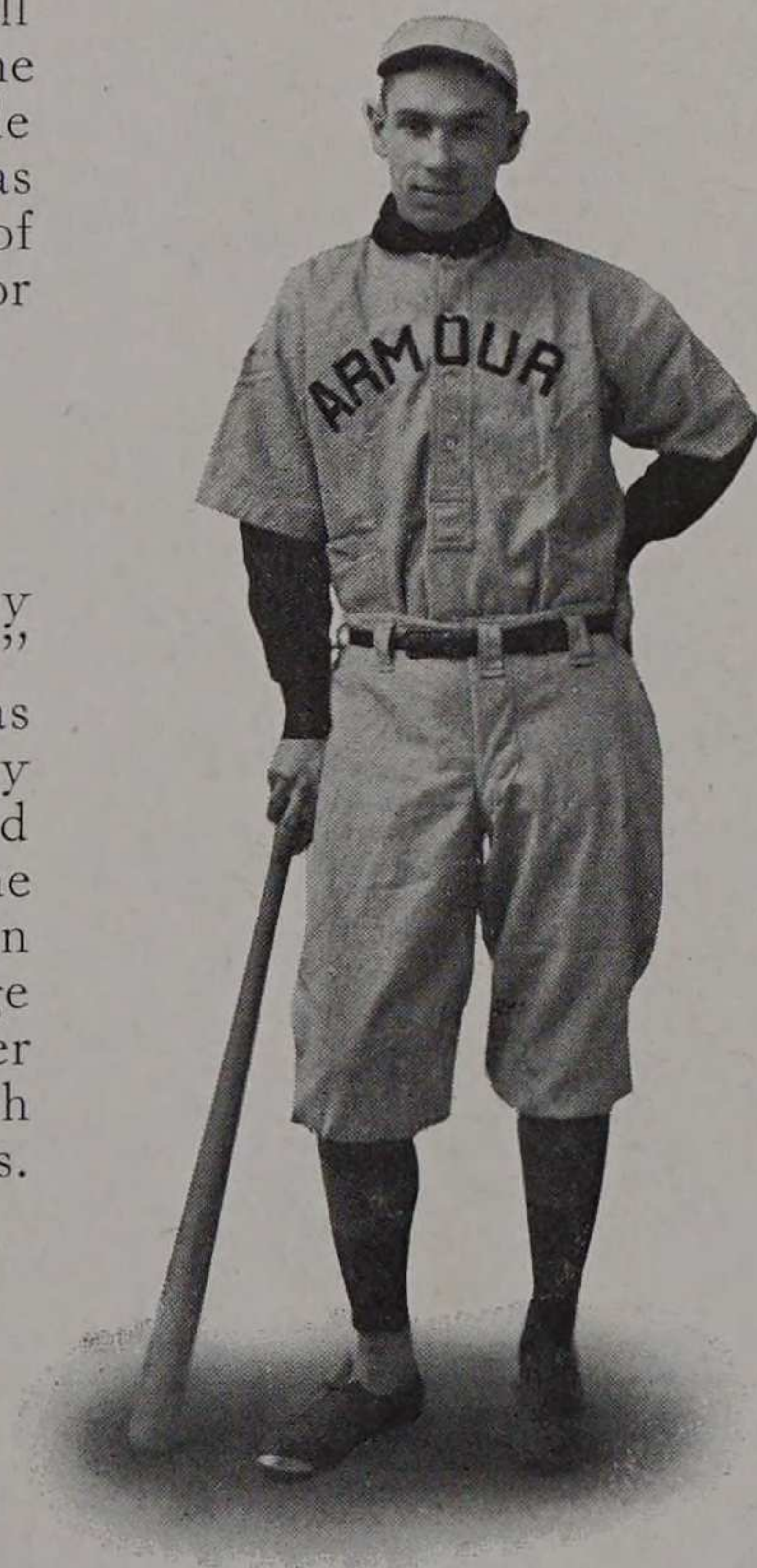
KUTTNAUER.—Last year was "Shorty's" first year at Armour, but he came out for a position in the "garden" with a determination and stick-to-it-ive-ness that landed him a position and his letter. He had a ground-covering ability that was surprising, and a good strong "Peg" in from the garden. We will have Shorty with us for three more years and we don't expect to be disappointed in seeing some mighty good playing done by him.



MOUAT.—A man so plum full of fight, gameness, grit, honor, and pure love of athletics, we find this game little Scotchman upholding the traditions of his race. Even tho "Shorty" did have short legs, he covered as much ground as any Jackrabbit ever thought of doing. His instilling "the fight" in the men has won Armour many games. When the team is at bat and they hear Shorty talk to them and to feel that he is near them puts a determination into them that sends them to bat or to the diamond with a desire to give old Armour all that they had in them. The opposing twirlers feared Shorty more because of the fact that he always got at least one walk in the game and made them put the ball where he wanted them to, than for his ability to land the ball over the fence. This article marks the passing of one of the biggest, little giants in athletics that Armour has ever had. It is with the deepest of regrets that Coach Shommer looks for another man to fill Shorty's place.



PASKILL.—"Rube" put a "finish" on Coach Shommer's machine by being one of the steadiest and most consistent catchers that the "Tech" has ever had behind the bat. When the "break of the game" was imminent, a clear "stay-with-'em-gang" floated out from that faraway corner of the diamond and it's effect was generally that which would allow the "break" to pass, but—Armour had the largest "piece" of the "score pie." Rube was a veritable "hawk" at catching fouls, and in taking the "horseshoe" out of the other team's hands. With an average of better than .225 Rube was a big prop under old Tech that kept her up on top. This article causes a pang to pass thru the hearts of Tech fans as it denotes the passing of Rube from the numerous activities. We wish him success.



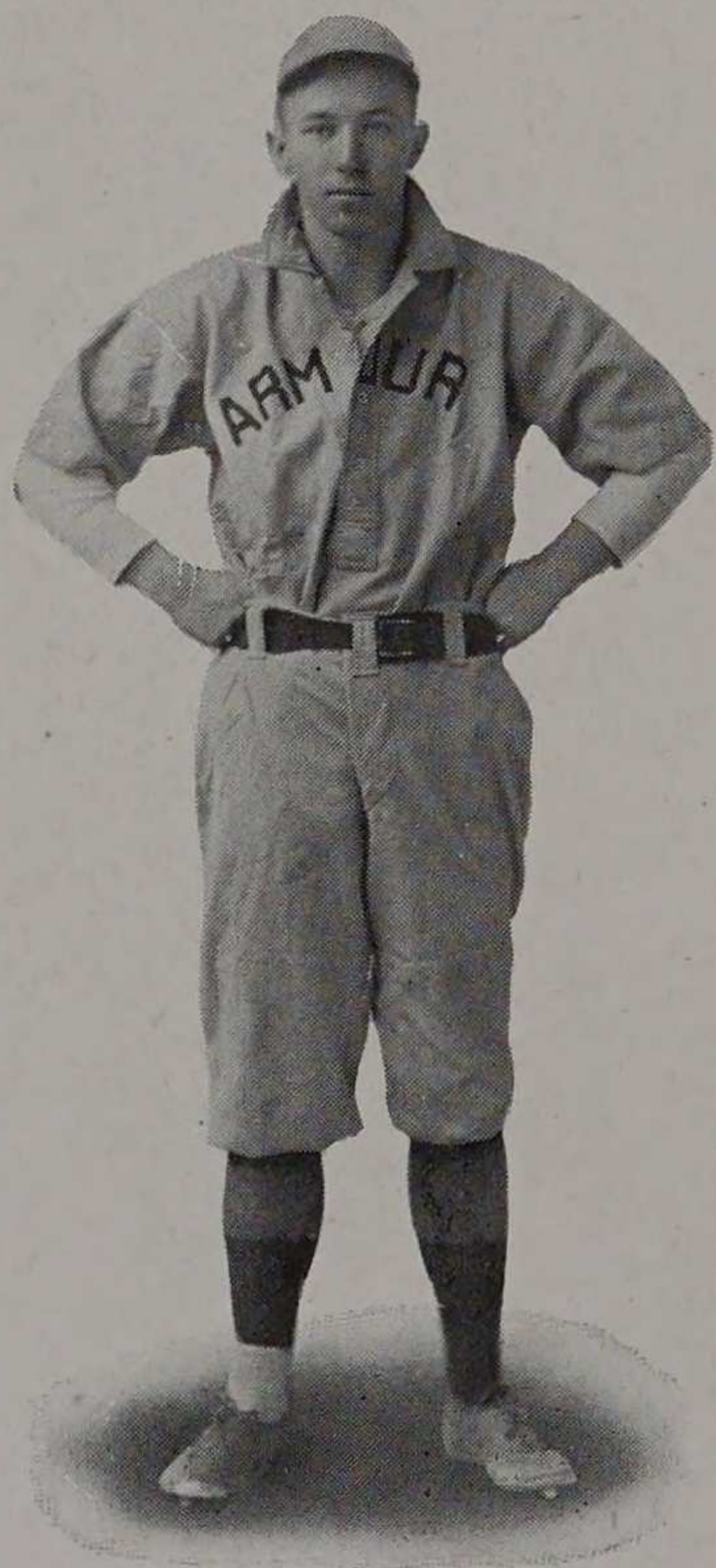


## ATHLETICS



HILL.—Armour lost "Claude" last year by graduation, and in him we lost a jolly and good natured catcher who had a whole carload of "sand and grit" in him. Claude was a "bear" for work, and game to the core. He proved a mighty big asset to the team when it stood a chance of going down on the most important trip of the season, to Galesburg, without a catcher. He has just as big an appetite for "good eats" as he has for baseball, as is shown by the way all the waitresses in the hotels on the route give him the biggest helping of all.

BROMAN.—It is with deep regrets that this article is written, knowing that it marks the end of a brilliant and consistent baseball career of our big warhorse "John." When John was not on the mound he was doing deadly work in the outfield against the opponent's flies. He had perfect control all season with a record for the least number of walks, so that not any of the Little Five pitchers could compare with him. With the "willow," John stayed at the top, batting .322 all season. It was with a sigh of relief that the spectators saw "Big John" step up to bat with the bases full and two out, as he always came "thru" with a hit when it was most needed.



WILCOX.—As a varsity pitcher our own Willie Wilcox showed himself to be all that we had hoped and predicted of him (and we had hitched our wagon to a star). As a tricky pitcher who could put the "stuff" on the ball and make the batters eat out of his hand, Willie was as good as they make them. With a prayer on their lips and a pair of knees that wouldn't behave, the opposing wielders of the willow shut their eyes and with a "trust-to-God" swing agitated the ozone over the pan while the ball went through the "grove." Leaving a good record behind him and a "rep" in baseball circles, we regret that Willie closed his career at Armour last year.



## Northwestern College 6, Armour 7

There has always been more or less rivalry between Armour and Northwestern College. So when that school crawled out of its hole on April 15th, it came with a vengeance. A volley of hits in the ninth inning produced three counters and gave the "Tech" a 7-6 victory. The Armour sluggers cuffed Kluckholm hard for 14 hits, three of them being singles by Hullinger, as he always has the knack of hitting at the right time, and those singles sure did count in this game. "Slip" Conway on short, played a star game, making five assists and picking up everything that came his way. King pitched a whale of a game and showed midseason form. His old "spitter" had 'em all swinging.

ARMOUR	R.	H.	P.	A.	NORTHWESTERN	R.	H.	P.	A.
Mouat, r. f.....	1	1	0	0	Farrst, 2d.....	1	1	1	1
Bruce, 3d.....	1	2	0	5	Fehr, c.....	1	0	10	0
Conway, s. s.....	1	1	0	5	O. Stinger, s. s.....	1	1	3	2
Broman, l. f.....	0	2	1	0	Erffner, l. f.....	1	2	3	1
Hall, 2d.....	1	1	1	2	Kluckholm, p.....	1	1	0	1
Kerr, c f.....	1	1	1	4	Kellerman, 3d.....	0	0	0	1
King, p.....	0	2	2	6	G. Stinger, c. f.....	1	1	6	1
Paskill, c.....	1	1	1	2	Oberhin, 1st.....	1	1	6	1
Hullinger, 1st.....	1	3	16	2	Stewart, r. f.....	0	1	0	0
Total.....	7	14	22	26	Total.....	6	8	24	7
Northwestern.....	1	2	0	0	0	1	2	0	0-6
Armour.....	0	1	0	0	0	0	3	0	3-7

## Armour Downs Lake Forest, 11-9

Armour opened the Little Five Conference on April 18th, in a "slugg-fest" with Lake Forest. In the sixth inning Kruger got so dizzy watching the "Merry-go-round" of Armour players around the bases and his neck got so stiff from watching the fly-balls and grounders go past him that he had to be removed from the "slab." Bartow was put in his place, but he could not "stem the tide" before Armour had galloped around the diamond eleven times, putting themselves two laps ahead of Lake Forest. King and Paskill played their usual good game and had them all guessing. The combat was called off on account of rain and darkness in the eighth inning.

	R.	H.	E.
Lake Forest.....	4	1	0 0 0 2 0 2-9-10-4
Armour.....	0	1	0 2 2 3 3 0-11-11-5

Batters—Kruger, Bartow, Franzen; King, Paskill.



### Armour vs. Northwestern University

Armour went up to Northwestern's field on April 20th and had one "battle royal" with the purple squad. The "Tech" team got the little end of a 2-1 score but only after they had "dyed" fighting. Ellingwood, for N. W. pulled some line drives off of Armour's bats that looked like they were shot out of a cannon into a sandbank. He also passed the platter twice. Paskill trotted over the slab with the one run for Armour. Broman had exceptional control and sure did play real league ball that day. Shorty Mouat played on short in Conway's place as "Steve" had a bum arm that day, and played in centerfield.

NORTHWESTERN	R.	H.	P.	A.	ARMOUR	R.	H.	P.	A.
Ellingwood, c. f.....	2	2	1	0	Paskill, c.....	1	0	2	2
Driscoll, s. s.....	0	0	2	5	Mouat, s. s.....	1	0	2	3
Fischer, 3d.....	0	2	2	0	Conway, l. f.....	0	1	1	0
Quigley, 1st.....	0	1	14	2	Broman, p.....	0	1	0	3
Greenst'l, c.....	0	0	2	2	Hall, 2d.....	0	0	1	3
Peterson, l. f.....	0	0	3	0	Bruce, 3d.....	0	0	1	4
Hombeck, r. f.....	0	1	0	0	Hullinger, 1st.....	0	1	16	0
Loux, 2d.....	0	1	1	0	Kerr, c. f.....	0	0	0	0
Hein, p.....	0	0	2	4	Kuttbauer, r. f.....	0	0	1	0
	—	—	—	—		—	—	—	—
Total.....	2	7	27	13	Total.....	1	3	24	15
Armour.....					1	0	0	0	0
Northwestern.....					1	0	1	0	0

Errors—Driscoll, Loux, Bruce. 2 base hit—Ellingwood.  
Bases on balls—Hein, 5. Struck out by Broman 2, Hein 1.

### Armour Takes a 5-1 "Mouthful" Out of Monmouth

Armour invaded Monmouth on April 29th. Monmouth must have been stage-struck at the way their knees trembled when an Armour slugger got up to bat. The old "Tech" sure did play ball that day backed Wilcox's pitching to a nicety. Will's curves were breaking that day like a cowboy breaks a pony as he had them under his control at all times, not walking a man. Broman in right field pulled some mighty fine ones down out of the sky.

MONMOUTH	R.	H.	P.	A.	ARMOUR	R.	H.	P.	A.
Lendgral, s. s.....	1	1	1	1	Mouat, l. f.....	0	0	3	0
Simbey, 2d.....	0	0	4	4	Bruce, 3d.....	0	1	0	3
M'L'Ghin, 3d.....	0	1	0	0	Conway, s. s.....	1	0	5	4
McMicheal, p.....	0	1	0	5	Broman, r. f.....	1	0	4	0
Van Pelt, c. f.....	0	1	0	0	Hall, 2d.....	1	2	0	1
Kelly, c.....	0	1	8	0	Kerr, cl f.....	2	1	0	0
McCoy, r. f.....	0	0	0	1	Wilcox, p.....	0	0	0	3
Williams, 1st.....	0	1	12	1	Hill, c.....	0	1	5	0
Jenson, l. f.....	0	0	1	0	Hullinger, 1st.....	1	1	12	0
	—	—	—	—		—	—	—	—
Total.....	1	5	27	15	Total.....	5	6	27	13
Monmouth.....					0	0	0	0	0
Armour.....					0	0	3	0	0



ATHLETICS

Lake Forest Ties Armour, May 3rd

The nearest that Armour had come to being beaten in the Little Five Conference up to this time was when they invaded Lake Forest. On an exceedingly muddy field the combat was waged until darkness stopped it, but not until eleven innings had been played, and still it was a tie. We'll say it was lucky for Lake Forest that old Father Time hurried the sun down, as old "Tech" was sure going strong at the finish. But anyway it killed the "jinks" that always had been with Armour before up there. Broman and Paskill made an unbeatable combination. Hall and Bruce starred at bat and on bases.

LAKE FOREST				ARMOUR							
	R.	H.	P.	A.		R.	H.	P.	A.		
Dean, 3d.....	I	1	2	4	Paskill, c.....	0	0	5	4		
Krigge, 1st.....	I	2	14	1	Bruce, 3d.....	I	1	3	2		
Krueger, c. f.....	0	0	1	1	Conway, s. s.....	0	0	2	4		
McMerren, s. s.....	0	2	1	0	Broman, p.....	0	1	0	6		
Thorpe, 2d.....	0	0	4	2	Hall, 2d.....	I	1	0	3		
Stokes, l. f.....	0	0	0	0	Kerr, c. f.....	0	1	3	0		
Leiter, l. f.....	0	0	0	0	Mouat, r. f.....	0	1	0	1		
Barto, r. f.....	0	0	1	0	Kuttbauer, r. f.....	0	0	1	0		
Frausen, c.....	0	0	8	4	King, l. f.....	0	0	0	0		
Narkley, p.....	0	0	2	5	Hullinger, 1st.....	0	2	19	0		
	—	—	—	—		—	—	—	—		
Total.....	2	5	33	17	Total.....	2	7	33	20		
Armour.....	I	0	0	0	0	I	0	0	0	0	—2
Lake Forest.....	0	0	0	0	0	2	0	0	0	0	—2

Errors—Krugge, Krueger, Narkley, Bruce, Conway, Hullinger.

2 Base hit—Bruce, Struck-out by Narkley 8, by Broman 5.

Bases on balls—Narkley 5.

Knox Knocks Armour ===

For the first time in the season Armour was knocked for a victory, on May 5th by the downstaters. Armour had a record of three victories and one tie up to this time. Bunched hits in the fourth and fifth innings, plus an "off" day on "Steve" Conway's part, helped the visitors gain the needed runs. Broman and Hullinger led the list on the batting, Broman laying out a pretty one by the flag-pole, which netted him a two-bagger. This was followed by one over the fence by Wilcox. Bruce with his famous "fade-away" hook slide did some pretty work on bases, although he didn't cover the platter for a run.

KNOX				ARMOUR						
	R.	H.	P.	A.		R.	H.	P.	A.	
Lichfield, l. f.....	0	0	0	0	Paskill, c.....	0	0	7	1	
Parr, p.....	I	2	1	1	Bruce, 3d.....	0	0	1	3	
Gablson, 3d.....	0	0	0	2	Conway, s. s.....	0	0	2	2	
Hamlin, s. s.....	I	2	2	5	Broman, l. f.....	0	2	1	0	
Jackson, 2d.....	I	2	2	2	Hall, 2d.....	0	0	3	2	
Carrol, c. f.....	0	0	1	0	Kerr, c. f.....	0	1	0	0	
Pritchard, 1st.....	0	0	15	0	King, p.....	0	0	1	3	
Jamson, r. f.....	I	2	1	0	Wilcox, p.....	I	1	1	2	
Price, c.....	0	1	5	2	Hullinger, 1st.....	0	2	11	0	
	—	—	—	—	Mouat, r. f.....	0	0	0	0	
	—	—	—	—		—	—	—	—	
Total.....	4	9	27	12	Total.....	0	6	27	13	
Knox.....	0	0	0	2	2	0	0	0	0	—4
Armour.....	0	0	0	0	0	0	0	0	0	—0

Errors—Conway 3; 2 base hits—Parr, Broman, Wilcox, Jameson.

Struck-out—Parr 6, Wilcox 2, King 4. Base on balls—King 2, Parr 4. Umpire

Picket.



### Armour Trounces Monmouth

The "down staters" came up with a dangerous look in their eyes, May 11th, and ready to get revenge for the walloping that Armour gave them earlier in the season. The game was a delight to the Armour fans as they saw one of the prettiest plays ever pulled off on Ogden Field, and that being a triple play from Wilcox to Paskill to Conway. Armour scored one run in the fourth by Paskill galloping over the pan. Paskill played first base in "Hully's" place as Hully had been spiked earlier in the season which landed him in the hospital. Hill caught a fine game behind the bat and showed characteristic grit and good humor. Hall and Conway worked together like a couple of veterans, in perfect harmony, being "on their toes" all the time. Bruce did some pretty work on 3d in handling hot-ones.

ARMOUR				MONMOUTH					
	R.	H.	P.	A.		R.	H.	P.	A.
Paskill, 1st.....	2	1	10	1	Langraf, 2d.....	0	0	1	0
Bruce, 3d.....	0	1	3	2	Finneran, s. s.....	0	0	1	0
Kerr, c. f.....	1	2	1	0	Mc'h'l'm, 3d.....	0	0	1	6
Broman, l. f.....	0	2	1	0	Van Pelt, c. f.....	0	0	3	0
Hall, 2d.....	0	1	2	0	McMichel, p.....	0	2	1	6
Conway, s. s.....	1	2	2	2	McCarey, r. f.....	0	0	0	0
Wilcox, p.....	0	1	1	4	Johnson, l. f.....	0	0	0	0
Hill, c.....	0	2	5	2	Wilson, 1st.....	0	0	14	2
Mouat, r. f.....	0	0	1	0	McClary, c.....	0	3	0	0
Total.....	4	12	22	11	Total.....	0	2	24	14
Armour.....	1	0	0	1	0	0	2	0	4
Monmouth.....	0	0	0	0	0	0	0	0	0

Errors—Paskill, Conway, McLary, 2 base hit—Paskill. Home run—Conway. Struckout—by Wilcox 3, by McMichel 2.

### Baseball Team, 1916

PASKILL (Capt.)	Catcher	CONWAY	S. Stop
WILCOX	Pitcher	BRUCE	3d Base
BROMAN	Pitcher	KING	Pitcher
HILL	(sub) Catcher	MOUAT	Rt. Field
HULLINGER	1st Base	KERR	C. Field
HALL	2d Base	KUTTNAUER	(sub) Outfield



ATHLETICS

Schedule 1916

- April 11 at Ogden Field—Northwestern University 8, Armour 3.
- April 14, at Ogden Field—Wisconsin University 12, Armour 4.
- April 15 at Ogden Field—Northwestern College 6, Armour 7.
- April 18 at Ogden Field—Lake Forest College 9, Armour 11.
- April 19 at Stagg Field—University of Chicago 9, Armour 0.
- April 20 at Northwestern Field—Northwestern University 2, Armour 1.
- April 25 at South Bend—Notre Dame 11, Armour 1.
- April 28 at Galesburg—Knox College 4, Armour 9.
- April 29 at Monmouth—Monmouth College 1, Armour 5.
- May 3 at Lake Forest—Lake Forest College 2, Armour 2.
- May 5 at Ogden Field—Knox College 4, Armour 0.
- May 9 at Beloit—Beloit College 4, Armour 2.
- May 11 at Ogden Field—Monmouth College 0, Armour 4.
- May 16 at Ogden Field—Y. M. C. A. College 2, Armour 9.
- May 18 at Ogden Field—Beloit College 1, Armour 4.

Team Batting Averages

PLAYER	AB	R	H	BB	SO	SB	SH	AV
Hullinger.....	35	3	12	9	5	1	2	.343
Broman.....	56	6	18	1	14	4	1	.322
Hill.....	16	1	5	0	4	3	0	.312
King.....	27	0	8	0	12	1	0	.296
Hall.....	53	4	13	4	9	5	1	.245
Paskill.....	40	12	9	11	9	8	0	.225
Conway.....	58	11	12	6	6	5	0	.207
Kerr.....	57	8	11	0	17	5	0	.193
Mouat.....	44	7	8	10	7	2	1	.182
Bruce.....	53	8	8	4	4	1	0	.151
Wilcox.....	20	1	3	2	7	0	0	.150
Kuttbauer.....	22	1	2	2	12	1	1	.094

Baseball Training Trip

The baseball of the major league was opened by Armour by their leaving at the Park Row station Feb. 30, for their training quarters at South Chicago. There were close to four fans at the station to give the team a rousing send-off. Coach Schommer lead all of last year's team in the fold at the time of departure with the exception of Petzing who is a hold out. He is expected to reconsider his action, however, and will undoubtedly decorate the diamond when the umpire cries, "Play Ball" this spring. No team ever left for a spring training trip amid more splendor than did the "TECHS". Through the generosity of Mr. Stridiron they were able to enjoy many luxuries enroute, including a fine checker board on which many exciting contests were staged. Bruce played the mouth organ and Kerr sang all the way to the camp, where the team will fit itself for the flag race. Among the prominent stock-holders present on the trip were Sid Williams and N. G. Batbag.



ATHLETICS



COACH, SCHOMMER  
TRAINER  
KERR  
WILLIAMS  
WILCOX  
KUTTNAUER  
BROMAN  
PASKILI  
PASKILI  
MOUNT  
KING  
HALL  
CONWAY





CAPTAIN SANDROFF



ATHLETICS





## Basket Ball

WATT.—What was this auburn streak going down the floor? Watt? Yes it was, really he in person, and, although a six footer, he is as fast as they make them. "Red" showed "knowledge" for basketball last year when he won his "A" by hard fighting, and we soon found out how hard a red head can fight and keep it up indefinitely. When a man goes in to guard him, he knows that he is going to have his hands full—and he sure does. "Red" not only plays as a fast accurately shooting forward, but he delights in going down the floor after the ball and bringing it back up like an avalanche going down a mountain side—taking everything with him. We regret deeply that we are to lose this good natured fighter this year, but we rest assured that the same qualities that covered him with basketball glory will land him on the high road to success with a head start.



CONWAY.—Slip has certainly made a name for himself in basketball; as a guard he plays a brilliant and consistent game, and loves to "mix," get free, shoot down the floor and cage a couple of points for Armour every once and awhile. He has been a steady hard-worker and certainly deserves all the honor that Armour fans give him, and that with a bonus. Slip is a fine jolly fellow but when he gets his "Irish" up he says nothing but—we are all glad that we are not the man that played him foul. When Slip goes into the game he seems to give the whole team an added security and a "room" on the ground floor of confidence. We regret much to lose Slip this year, but we know that he will tackle life with the same vim and pep that he showed at Armour, and the top rung of the ladder of success be within his reach in the near future.



SANDROFF.—We need no introduction for "Sandy," our beloved captain and center, as he has a spot in every Armour student's heart. He holds a place high in every one's esteem, not only for his brilliant athletics but for his being an all around good fellow, and high in his studies.

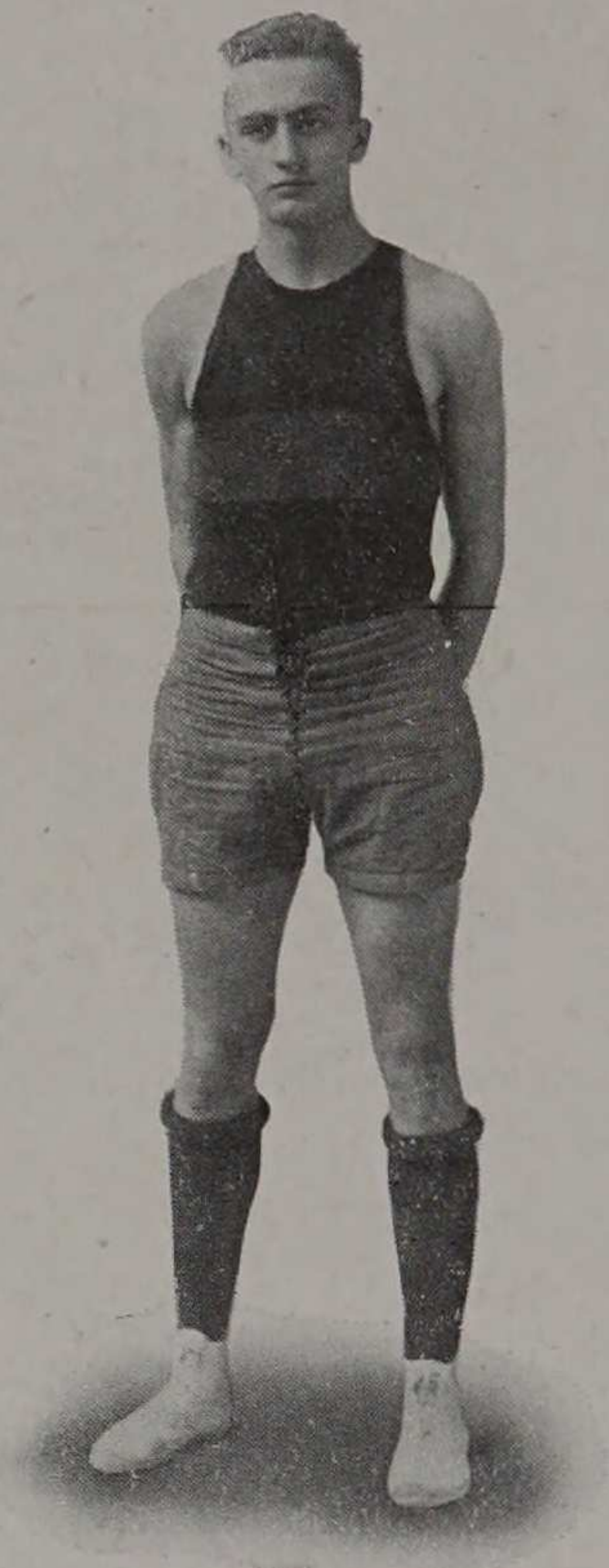
Sandy—to give his history—came from Lane Tech, leaving behind a record that has been unsurpassable. He made the Tech team in his first year, starting out at guard position; but when his jumping abilities were discerned he was shifted to center, where he has held that position ever since, against all comers.

As a dribbler "Sandy" is a veritable steam roller, and his trips down the floor are seldom stopped until he has made a basket. He is a big, solidly built mass who can get a basket from any angle. He is a born fighter and fights with a stiff upper lip from the start to the finish with every ounce of strength, grit and sand he has in him. He was the rudder for the team this year until he had to quit athletics on account of an operation and a visit to the hospital. We hope sincerely that he will be able to be with us in body on the basketball floor beside being there in spirit next year.





## ATHLETICS



TAYLOR.—A long rangy man, and they called him "Kat," appeared on the basketball floor as a freshman aspirant for the "Tech" team. By his great work he won a place as a substitute on the team, and was carried as a sub all year. Although he had never handled a basketball before that year, he showed such ability that we expected great basketball history from him. Next season he went out with a vengeance and won his "A," but only his inexperience in basketball kept him from being a regular.

We admire his grit in sticking and in receiving hard knocks and a continuation of them without a murmur but knowing that it was for the good of Armour that he was taking these hard knocks.

The 1916-17 season he came out in the class games and showed a fight and form that delighted the hearts and eyes of Armour fans and "pretold" much of his coming success in basketball. When the season opened for Tech men immediately after the closing of class basketball "Kat" was on the job every night. He fought hard and held a position as forward with a vengeance that prevailed thru the season. It is a marvel to Armour how "Kat" Taylor can hold so much fight, sand and stick-to-it-tiveness in such a small body (although he is by no means a midget). Kat plays the game in a clean way, being always on his toes and never crabbing. His love for Armour, his true Tech spirit and his personality have won their way into the hearts of all Tech men. We expect much more of the same stuff in basketball next season from Kat.

KERR.—Kerr's work in behalf of the basketball team this year was very much appreciated by all who followed the team. His spirit and aggressiveness were a great help to the team in times of trouble, and his fight and pep a source of delight to the fans. When Sandroff was compelled to drop basketball, "Vol," because of his jumping ability, was shifted from guard to center, where he stayed all year. The way he used to "knock 'em dead" and then innocently turn his back on the referee was a good example of his versatility. He played a fast, hard, game, and was in the fight all of the time. He always managed to slip in a few of the points along with his great defence game. His big jumps under the opponents' basket when the ball was up in the air will be remembered for some time, and we look for a lot more of it next year.



ERICKSON.—A tall, rangy, tow-headed, good natured Freshman came out for basketball this year and his name was Erickson (or "Ery" for short). As this build of man always delights Coach Schommers' athletic eye, Ery, by hard work, made the team. He had a peculiar knack of caging a few extra goals from the center of the floor in each game. But the whirlwind Ira Bready kept working for the same position and in the last half of the season won out after a long hard fight. But you can't keep a good man down and Ery is with us for three more seasons. If he improves as much as he has since he struck Armour in the future he will be a colossal force in keeping old "Tech" at the top.



ATHLETICS

BREADY—Ira appeared this year and opened his career in basketball in the class games. Here he showed exceptional speed, fight, and a lot of “horse sense” in basketball. So coach Schommer got a hold of him and Ira came out for the Tech team. It was certainly a hard scrap for Ira, especially as a Freshman, to get a place on the team. But his fight, his grit, and his whirlwind speed besides his being a mighty good fellow at heart won for him a place on the team as regular towards the end of the season. We have Ira with us for three more seasons and expect a lot from him. If he don't develop into one of the best (if not the best) basketball men on the Armour floor, then we miss our guess by a long ways. He promises to put up the same kind of a game during the next three seasons that his brother did his last year, and that speaks for itself.

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Basketball, 1916

SANDROFF (Capt)	Center
TAYLOR	Forward
WATT	Forward
CONWAY	Guard
KERR	Center and Guard
BREADY	(sub) Guard
ERICKSON	(sub) Guard



ATHLETICS



KERR

BREADY

TAYLOR

ERICKSON

WATT





CAPTAIN MOUAT



## ATHLETICS



SCHREIBER.—In Schreiber we find an athlete who certainly does use his brains in making his legs and body do as he wants them to do in accordance with Coach Schommers training. He worked hard in getting his honors and deserved them. He showed his heels to his opponents in the high hurdles and looked down on them as he cleared the bar at a height which only the best of them could come within striking distance of. We are promised much in the track events of the coming season. This is his last year at Armour and in passing him the track team loses a substantial help, and point-winner in this good-natured, hard-working man. He carries with him our best wishes.

TIERNEY.—“Jack” is a man who sure does know how to get over the ground in short order. Has been making the aspirants for track honors eat his “dust” before they even get a secondary honor. He was one of the biggest point winners for “Tech” and is a man to be feared as he has not been beaten in the Little Five on anything but a “technical.” Jack is a hard, persistent worker and shows a mighty pretty form and a powerful stride, which carries him over the ground at the speed of an express. He is the captain for the coming season and being so is an added inspiration to the team. His time in the 100 is 10 flat and in the 220 is 23 flat. That true Armour spirit of his and his being an all around good-fellow makes us regret deeply that this year is his last one with us. We watch him go forth into the sterner walks of life with a feeling that he will “make good.”



SANDROFF.—Here is our much beloved “Sandy.” If calculus was as familiar to us and known as well to Armour students as Sandy is, then we would all get high marks in that subject. In both track and basketball he is a colossal giant to Armour. It is a pity that he does not take baseball into his athletic curriculum as he would certainly shine there. We have Sandy with us for two more seasons, but it is doubtful if he will be able to come out this season because of an operation. As a weight man and a jumper (which combination does not often go together) he is a star. There is not a man in the league who puts the heave behind the shot that he does. “Sandy” holds the high esteem of all Armour students.



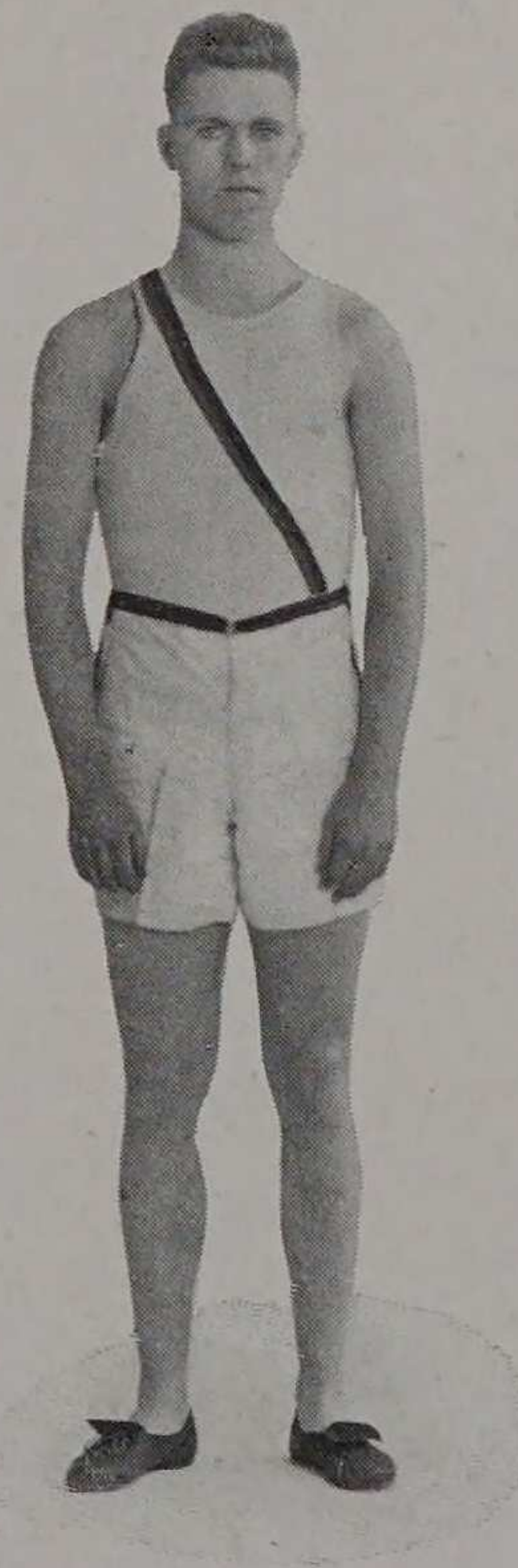
## ATHLETICS

EVANS.—“Stanly, Shorty, Dutch” Evans is with us yet and needs no introduction to Armour fans, as this jolly good-natured fellow has won the high esteem of everyone. Coach Schommer certainly made a find, as his 4:46 for the mile shows. Dutch has a spirit of fight and a whole lot of pure sand and grit in him that puts him in with the first three to cross the tape and hence some more points and another boost for old “Tech.” “Shorty” is to be with us for two more seasons, and it is with pleasure that we look forward to seeing him in action again, and passing out of focus of his near sighted opponents when they try to read the number on his back. We are expecting much of him this season and feel certain that we will not be disappointed because he has improved much since he came to Armour.



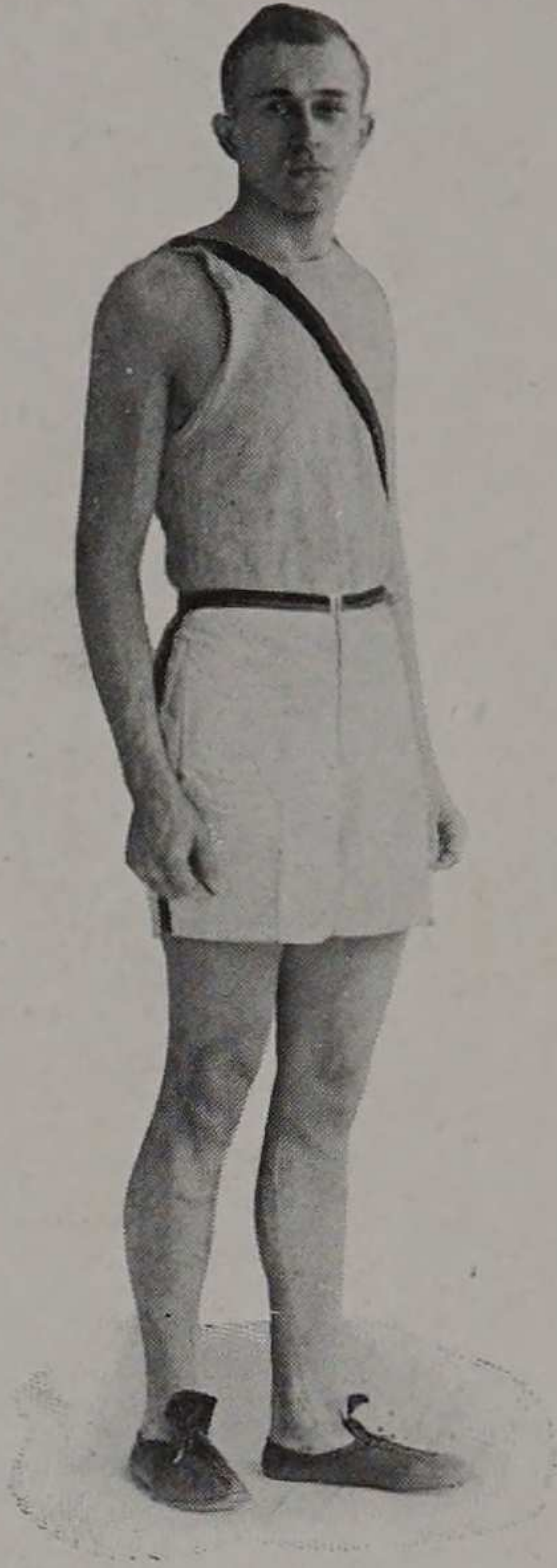
KERR.—At the conference meet at Galesburg, Kerr performed the unusual stunt of winning his third letter in his first year here. He displayed the same pep and spirit here as in basketball and baseball, and fully deserved the honor. He also entered the discus, shotput, and broad jump.

SULLIVAN.—Armour in the past has been represented by mighty “skimmers-of-the-bending-willow.” Memories Barr and other jumpers waft back from the misty time of days that are past. But of all the conquering heroes, our own Andy Sullivan promises to be their peer, par excellence. His consistent jumping around the 5'8, & 5'9 mark is a beautiful sight to behold. Andy has the stuff in him “from the ground up” and promises that he will uphold the time honored name of the “Sullivan clan” in Armour athletic circles. He worked hard last year and won his “A.”





## ATHLETICS

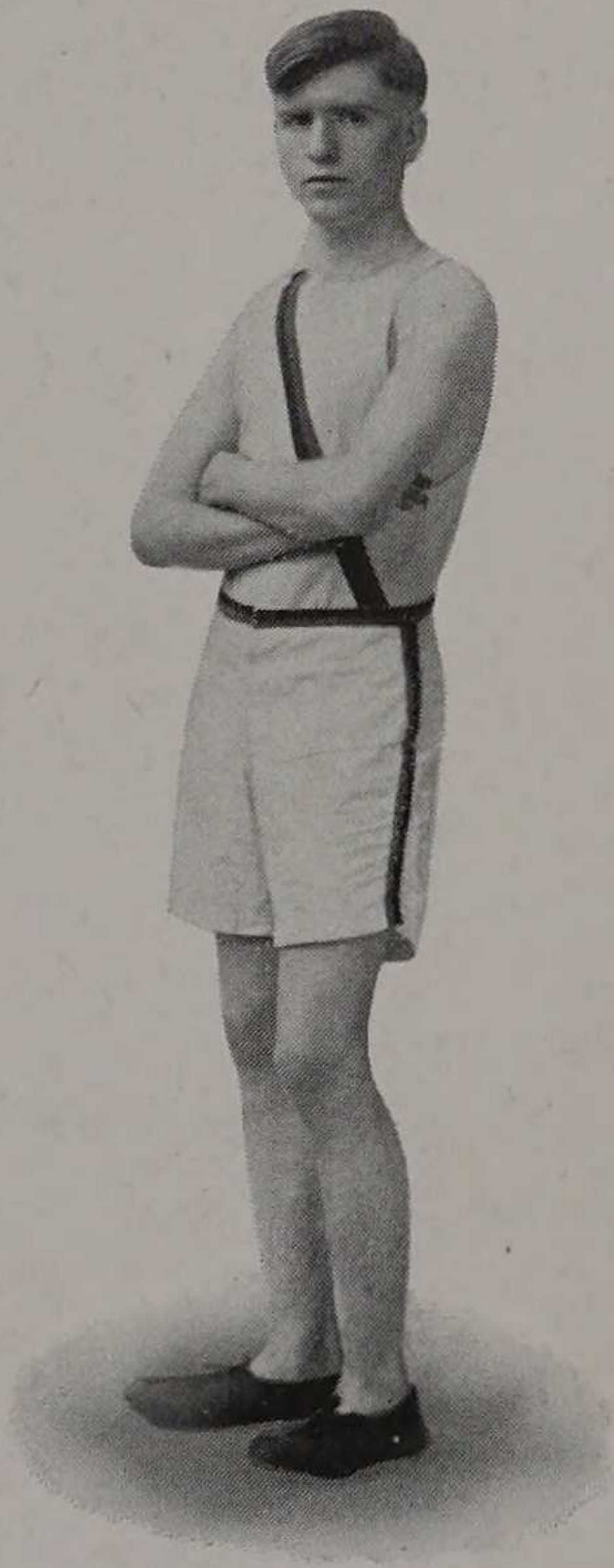


SOMMERS.—Sommers came to Armour with all the prestige of the Chicago Athletic Association behind him. As one of the coming sprinters of the Little Five he has ably lived up to his reputation. He has put in a strenuous year of apprenticeship swallowing Tierney's dust. It is expected that he will be able to take them all out for a ride after another year of this. He has three more years with us and we expect much from him in helping dear old Armour stay on top.

MENDIUS.—“Bill” is one of those athletes who appears to be built more for endurance and solidity than for speed, but his time in the low and high hurdles sadly gave the lie to these assumptions. Bill shows all the “earmarks” and other indications of finished hurdler, but acquired these said marks only after the most diligent training and perseverance. If he continues to improve as he has in the short time he has been at Armour, “Bob” Simpson, Kelly and the others will have to fasten their laurels more rigidly fore and aft.



MOUAT.—An athletic team at Armour would be like a ship without a rudder without “Shorty” Mouat on it. Although a small piece in himself it was his continual boosting and fight on every team that was the big factor in his helping Armour stay on top. As a long-distance man he seems to approach the perpetual motion machine. Shorty was one of the brainiest and quickest thinking athletes that Armour has ever had. Besides being on Armour teams he was generally the leading factor in two or three other teams in the city, also holding the A. A. F. wrestling championship in the 115 class. We regret that we cannot honor him in some way as would fittingly become one who has done so much for his Alma Mater. His going leaves a big breach in Armour athletics, which will be hard to fill. In training “Shorty” was a good example for aspirants for athletic honors to follow.





## ATHLETICS



WILLIAMS.—In one particular event Williams has specialized, and that is the 440 yard. In this event he is certainly a star. Although he didn't win his "A" last spring on account of illness we have his promise that he will be out this coming season in his old form, and show the boys up. We regret that this is his last season with us but we expect him to do much in boosting old Armour up on top, and we don't expect to be disappointed. Our sincerest wishes go with him as he leaves Armour this year.

## Track Team, 1916

MOUAT (*Capt.*)

TIERNY

SANDROFF

KERR

MENDIUS

SCHREIBER

EVANS

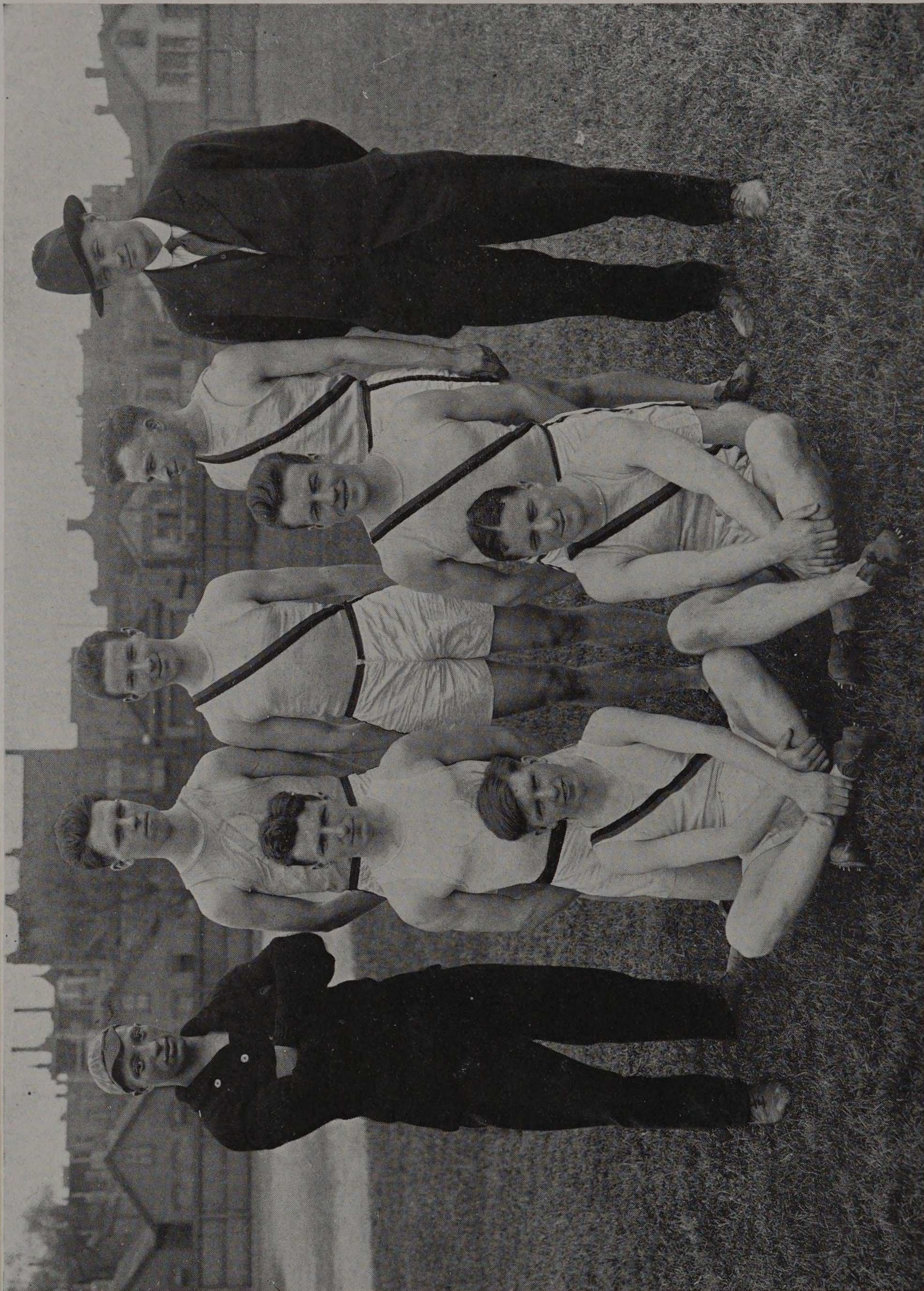
SOMMERS

SULLIVAN A.

WILLIAMS



ATHLETICS



Top Row—TRAINER WILLIAMS, SULLIVAN, MENDIUS, SOMMERS, COACH SCHOMMER. Second Row—TIERNEY, KERR. Third Row—MOUAT, J. SULLIVAN



# MINOR SPORTS

## Interclass Basketball

### CHAMPIONSHIP DECIDED BY EXTRA GAME

Coach John Schommer's announcement of the interclass basket ball schedule brought many new faces up into the gymnasium.

The Senior tryout resulted in the Watt, Conway, Cooper, Hall and Botts combination, with Goorsky as an able alternate.

Kerr, Sandroff, Taylor, Cable and Weiss of the Tech squad with Cole, and Shotwell represented what seemed an almost undefeatable Junior aggregation.

The Sophomore class entered Mendius, Stone, Maitre, Clasen, Joslyn and Ewen as pennant contenders.

The abilities of the above squads being known, no surprises were expected from them, but Coach Schommer looked forward to the shinning lights in the Freshmen quintet. Of the forty candidates Scharf, Bready, and Illg showed previous experience.

October 16, the opening day of the contest marked the defeat of the Seniors and Sophomores. In the Curtain raiser The Frosh trounced the Sophs to the merry tune of 9-3 while the sedate Seniors stepped aside to make room for the rampant Junior Quintet. Early in the season these games manifested the good basketball sense of some of the newer men.

The series consisted of nine games, three of which were played each week.

In the second game of the series the Freshmen sprung a surprise by beating the Junior team 9-8 in a hotly contested encounter. From then on the Juniors lead the league until the Seniors "bucked up" and with a series of wins caught up.

In the final game for the championship the third year team did the unexpected and blew up in the extra session which was necessary to decide the issue. Poor team work on the Juniors side coupled with the excellent playing of the opposing five, gave the pennant to older men.

The inter-class games as a whole were very successful in aiding the men prepare for the Tech team and gave Coach Schommer an opportunity to look over his material. It is hoped that next year even more interest will be shown in these games than in the past season.

Standing of the teams:

	<i>Won</i>	<i>Lost</i>	<i>Percentage</i>
Senior	8	2	.800
Junior	7	3	.700
Freshman	5	4	.225
Sophomore	0	9	.000

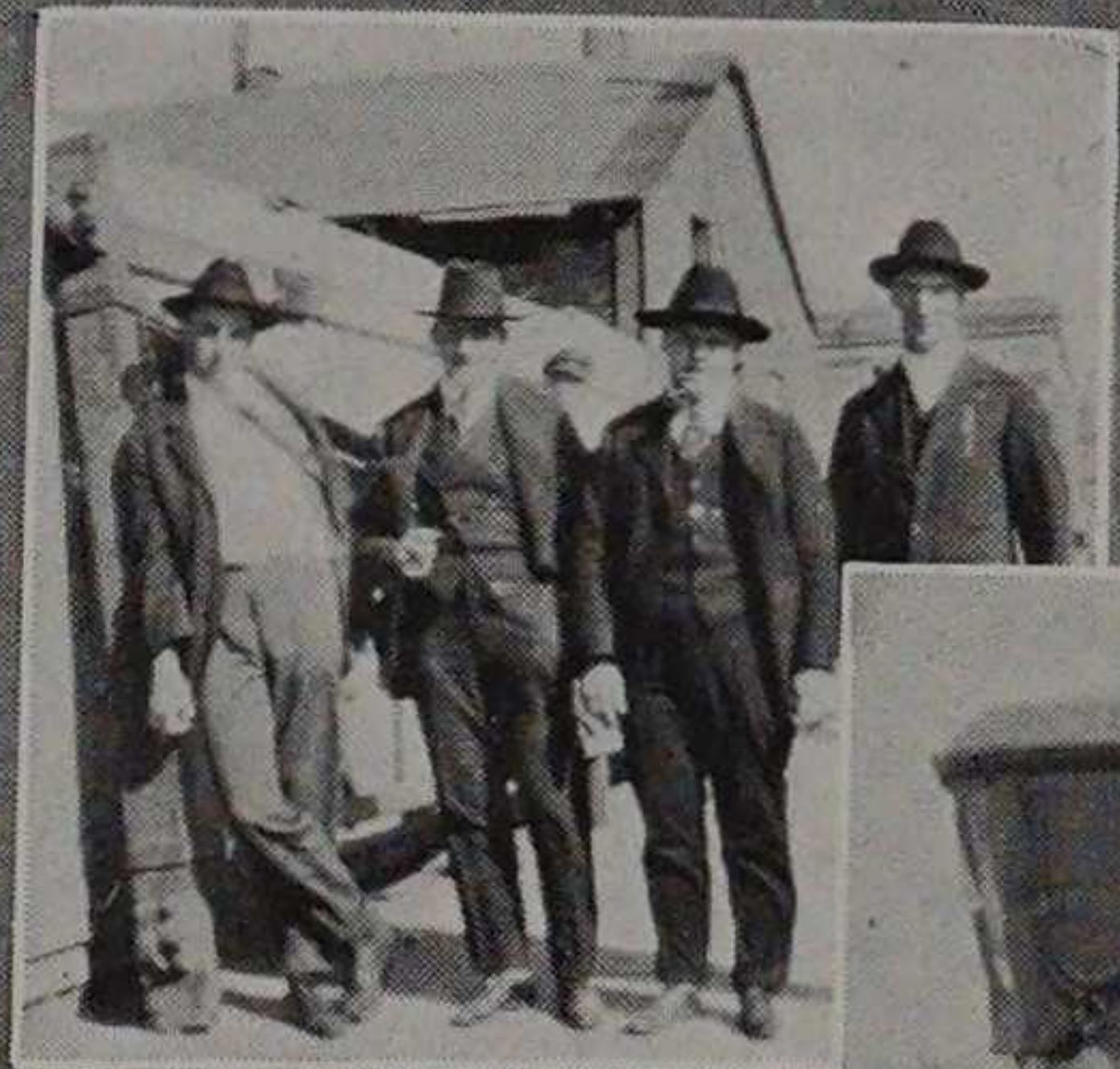
### INTER-FRATERNITY ATHLETICS

During the last two years the Armour Greek Letter organizations have competed in athletic feats. For some reason unknown the baseball series never took place, but the inter-fraternity relay race still remained to be one of the features of Circus day.

Phi Kappa Sigma, Delta Tau Delta, Omega Lambda, Sigma Kappa Delta, and Beta Phi competed for a silver loving cup in the one mile relay race, Finkl, Kerr, Sandroff and Mendius of Beta Phi won a close race with Omega Lambda second, and Delta Tau Delta, Phi Kappa Sigma, and Sigma Kappa Delta finished in the order named.



ATHLETICS



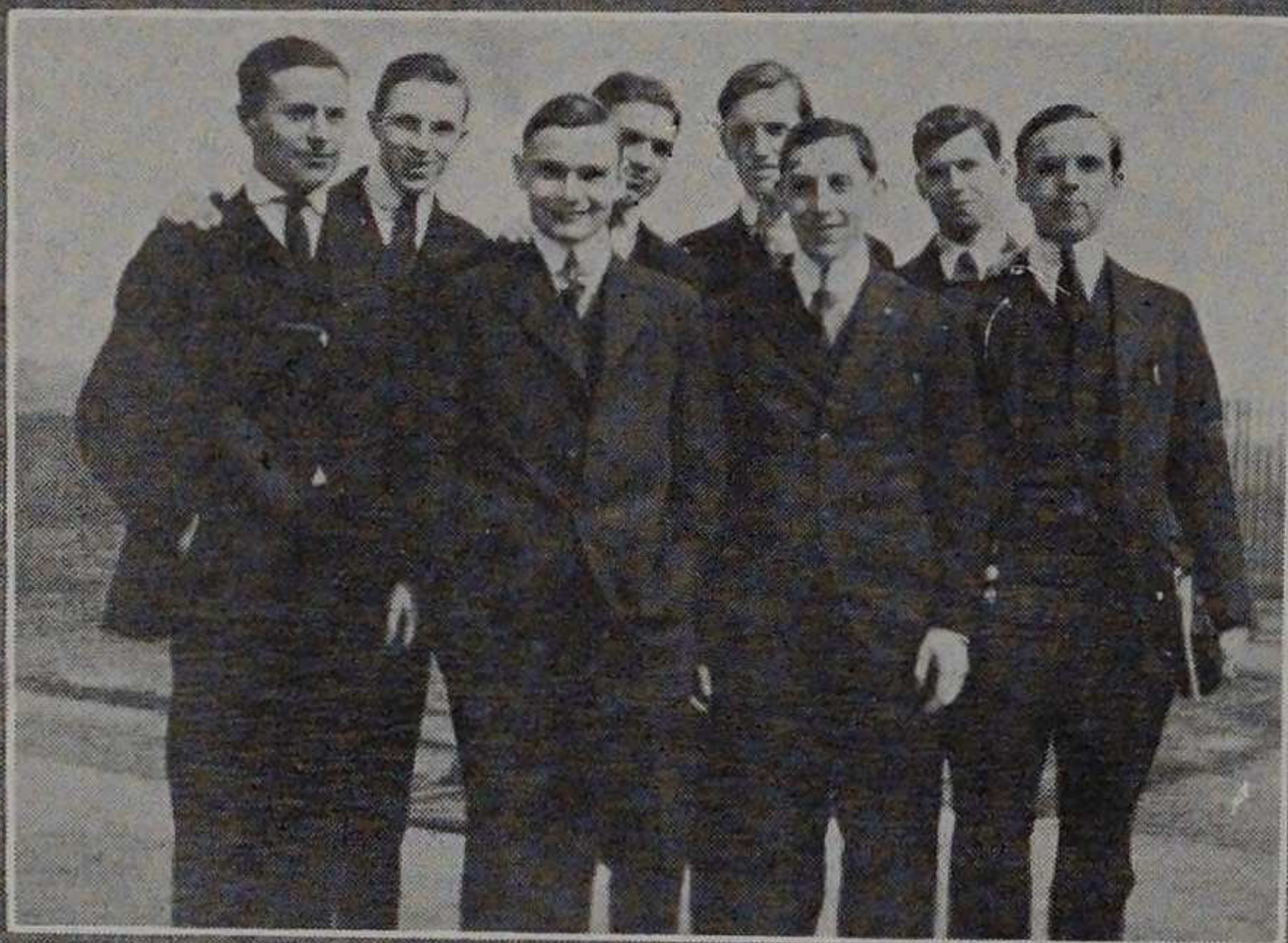
BUSY!



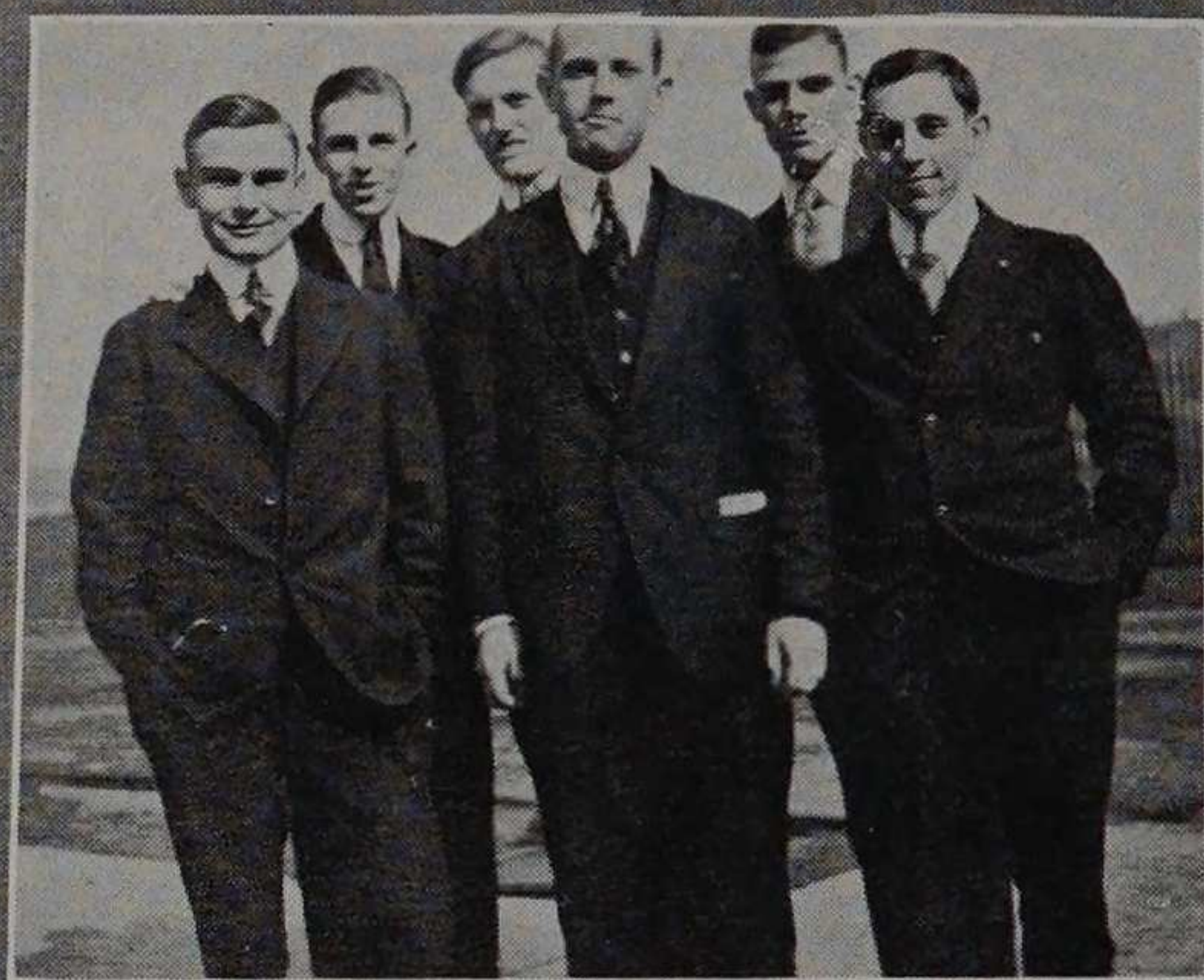
NO GAS!



OH SKINNAY!



JUN. INDOOR TEAM



VOLLEY BALL



FROSH SOPHS



BASKET BALL?



ATHLETICS

## Junior Indoor Team

In spite of the slight success encountered by the Juniors in their attempt to encourage an Inter-class Indoor Baseball series, the boys got together and played several games with outside teams. Captain Ferguson had a valuable asset in the pitching ability of Mathews. The team did not get nearly the practice it should have, and to this we attribute our two defeats at the hands of the Crane team. We profited by our mistakes, however, for the general team-work was much better and every man showed improvement in his batting in the games with Palmer Park and Sinai Center teams, both of which went down to defeat before us.

We would like to see a team organized by each class, to add to the zest of the sport by competition. We feel we could easily handle any team that might be so organized; but come on fellows, look what David did to Goliath!

### SCORE

#### ARMOUR JUNIORS AT PALMER PARK

	1	2	3	4	5	6	7	
ARMOUR	0	0	5	1	0	0	0	6
PALMER PARK	0	1	1	0	0	0	0	2

HITS—Armour Jun. 6	BATTERIES:—Palmer Pk.—Veto and O'Brien
Palmer Pk. 4	Armour—Mathews and Moore
STRIKE OUTS	Veto (Palmer Pk) 9
	Mathews (Armour) 15
BASES ON BALLS	Armour 0
	Palmer Pk. 3

### BATTING AVERAGE

	AB	R	H	SO	BB	%
CABLE, <i>s.s.</i>	12	5	7	2	0	.575
MOORE, <i>c.</i>	20	7	9	7	3	.450
ANTHONY, <i>s.s.</i>	10	3	4	3	0	.400
MATHEWS, <i>p.</i>	18	2	7	8	2	.390
MORSE, <i>c.</i>	16	5	6	8	4	.375
GOLDSTEIN, <i>c.f.</i>	9	1	3	1	0	.333
FERGUSON ( <i>Capt.</i> ) <i>i.b.</i>	26	5	8	12	0	.310
BEAUMONT, <i>3 b.</i>	23	7	6	12	1	.260
STEVENS, <i>r.f.</i>	20	3	5	7	1	.250
HUNT, <i>2 b.</i>	23	4	3	11	2	.130
NEWLANDER, <i>s.s. &amp; r.f.</i>	11	2	1	7	1	.100
	188	58				
TEAM AVERAGE .316						



## Annual Fall Tennis Tournament

The Annual Tennis Tournament of 1916-17, started with an entry of thirty-two aspirants managed by A. C. Kupshas and L. H. Rosenberg. There was lively competition from the start, and when things cleared up, the contest was up to the semi-finals with four Seniors left. These men were Mattern, a Fireprotect., Kupshas, an Electrical, McGrew, an Architect; and Goldberg, a Civil. Kupshas won from Mattern, 6-3, 6-4 and McGrew overcame Goldberg 6-4, 8-6 in a hotly contested battle. After much delay due to the weather conditions, Kupshas beat McGrew and became the champion of the tournament. Kupshas deserved the championship as he started out in great fashion, not losing a game until the third round when he won from Rosenberg 6-3, 6-3 without much difficulty.

## The Armour Volley Ball Team

A volley ball team made up of Juniors and Seniors has been organized at Armour during the past year. We have played games with Sinai Center and the West Side Y.M.C.A. Palmer Park will probably be our next victim. The following men make up the team; Mathews, Ferguson, Goldstein, Goorsky, Mease, and Moore.

We would like to see the classes run off some interclass series. Volley ball is fine exercise, and does not require experience.



ATHLETICS

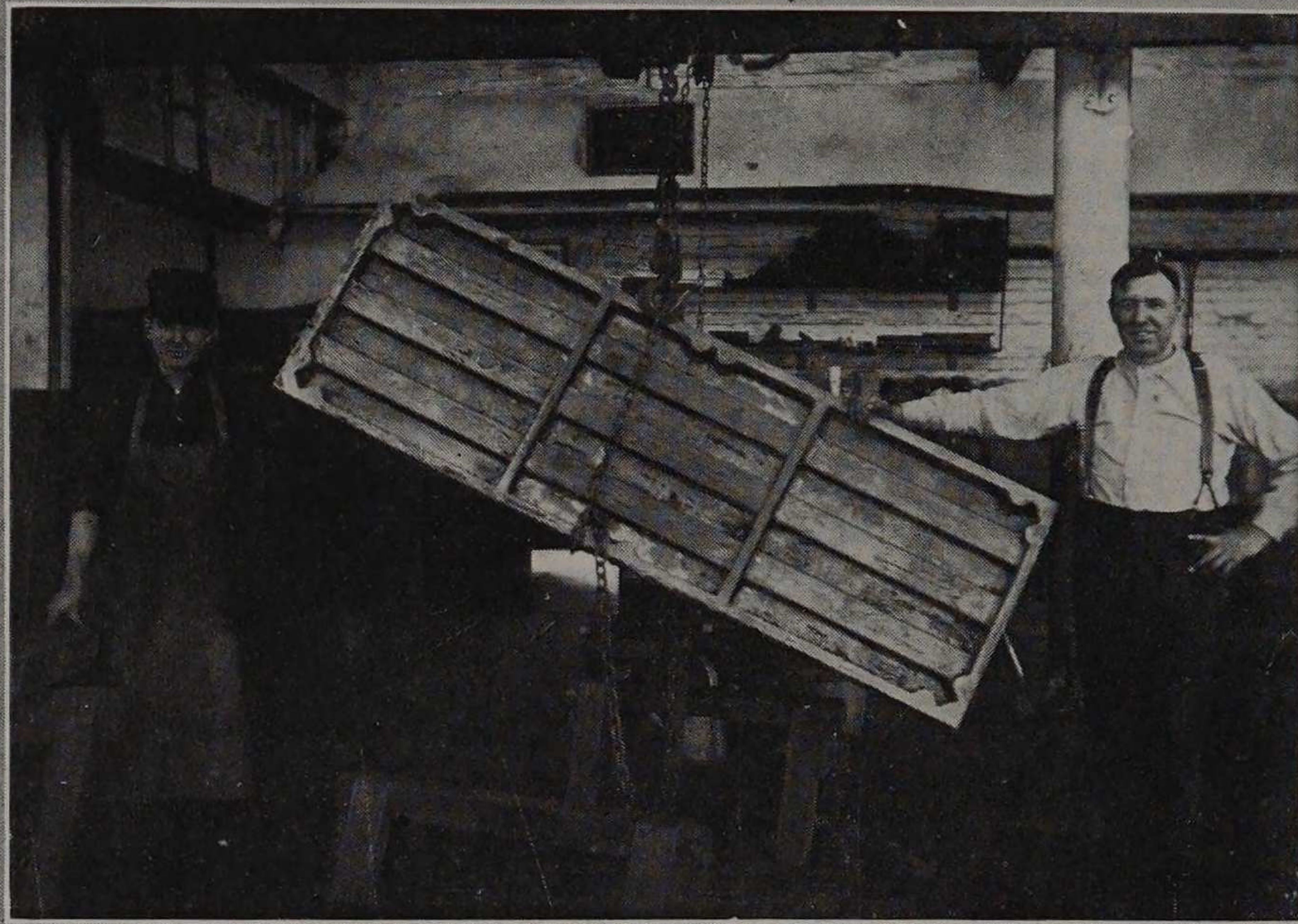
Golf

The annual fall golf tournament was again held at Jackson Park, and was a marked success. Wm. S. Eagle, Jr., is the champion at Armour, which is not at all surprising, for "Bill" is a real champion. He is well known in golf circles, ranking as one of the best in the city. In the city championship tournament of 1915, "Bill" made one round in 69, which ties the course record in competition play and is some record, being six strokes under par. He did not enter the City tournament of last year because of lack of time, but we sincerely hope that he will this year as he has a splendid chance of "bringing home the bacon." Another new man in the event was R. P. Manchee, a freshman; but this was no handicap to him. He made his opponents up to the final round feel the sting of defeat early in the game, having them all 6 up with 4 and 5 to go. When he met Eagle in the final round it made an interesting match, as he was allowed five strokes handicap. This match was close all the way, "Bill" winning finally, 1 up. Much credit should be given Manchee for his cool and accurate playing, considering it was his first tournament and the fact that he was matched against such a seasoned player as Eagle. We were glad to see so many representatives from the faculty and hope that their interest in the tournament will not wane. Profs. Wilcox and Leigh had a merry little tussle of their own in the first round, it taking 36 holes to decide the match, the former being the victor. Prof. Leigh was runner up in the tournament of 1915.

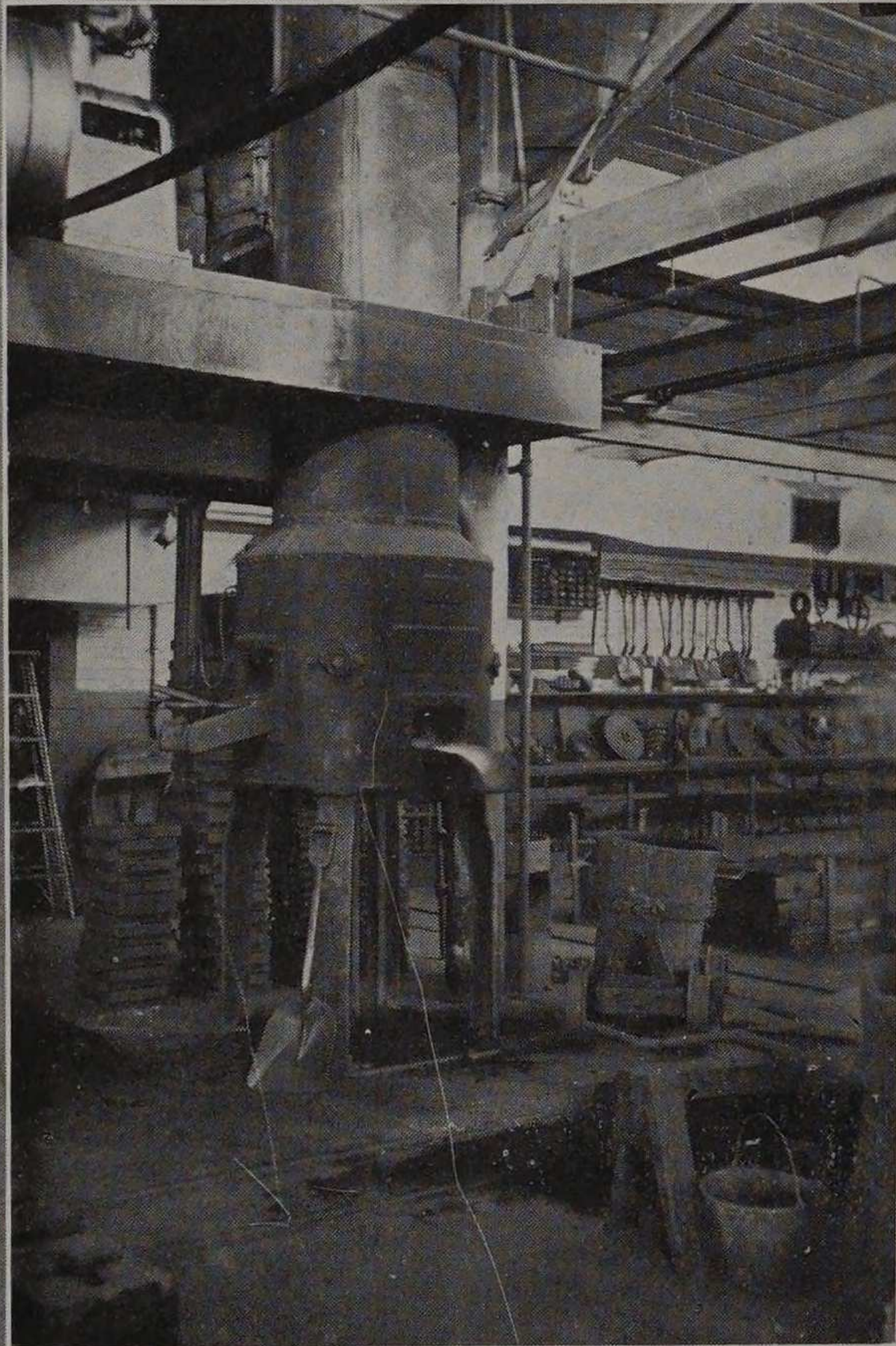
Herewith is a tabular result of the event:

✓ G. M. WILCOX	}	WILCOX 5-3	}	WILCOX 5-4 (36 Holes)	}	EAGLE 2 up	}	EAGLE CHAMPION
J. S. REID								
W. C. WRIGHT	}	LEIGH 6-5						
C. W. LEIGH								
W. T. WIGNALL	}	WIGNALL (Default)						
✓ L. A. KING								
✓ H. S. MOUAT	}	EAGLE (Default)						
W. S. EAGLE, JR.								
W. G. SMITH	}	SMITH (Bye)	}	LADD 3-2				
BYE								
A. L. LADD	}	LADD 6-5	}	MANCHEE 6-5				
✓ A. J. SOMMER								
F. P. SHEA	}	HULLINGER 8-7 (36 Holes)	}	MANCHEE 6-4				
✓ O. M. HULLINGER, JR.								
N. L. MARVIN	}	MANCHEE 6-5						
R. P. MANCHEE								



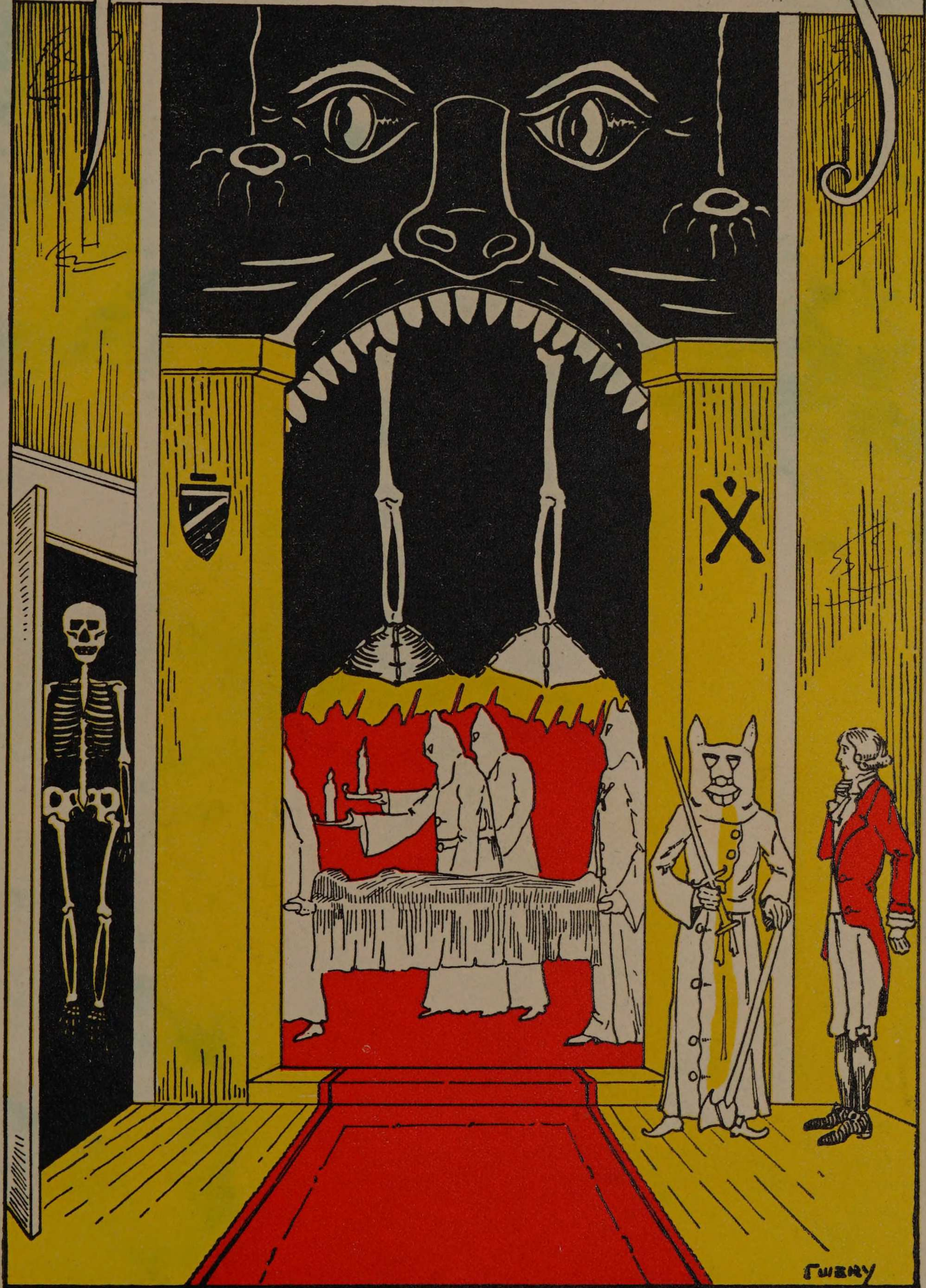


*FOUNDRY DEPARTMENT*





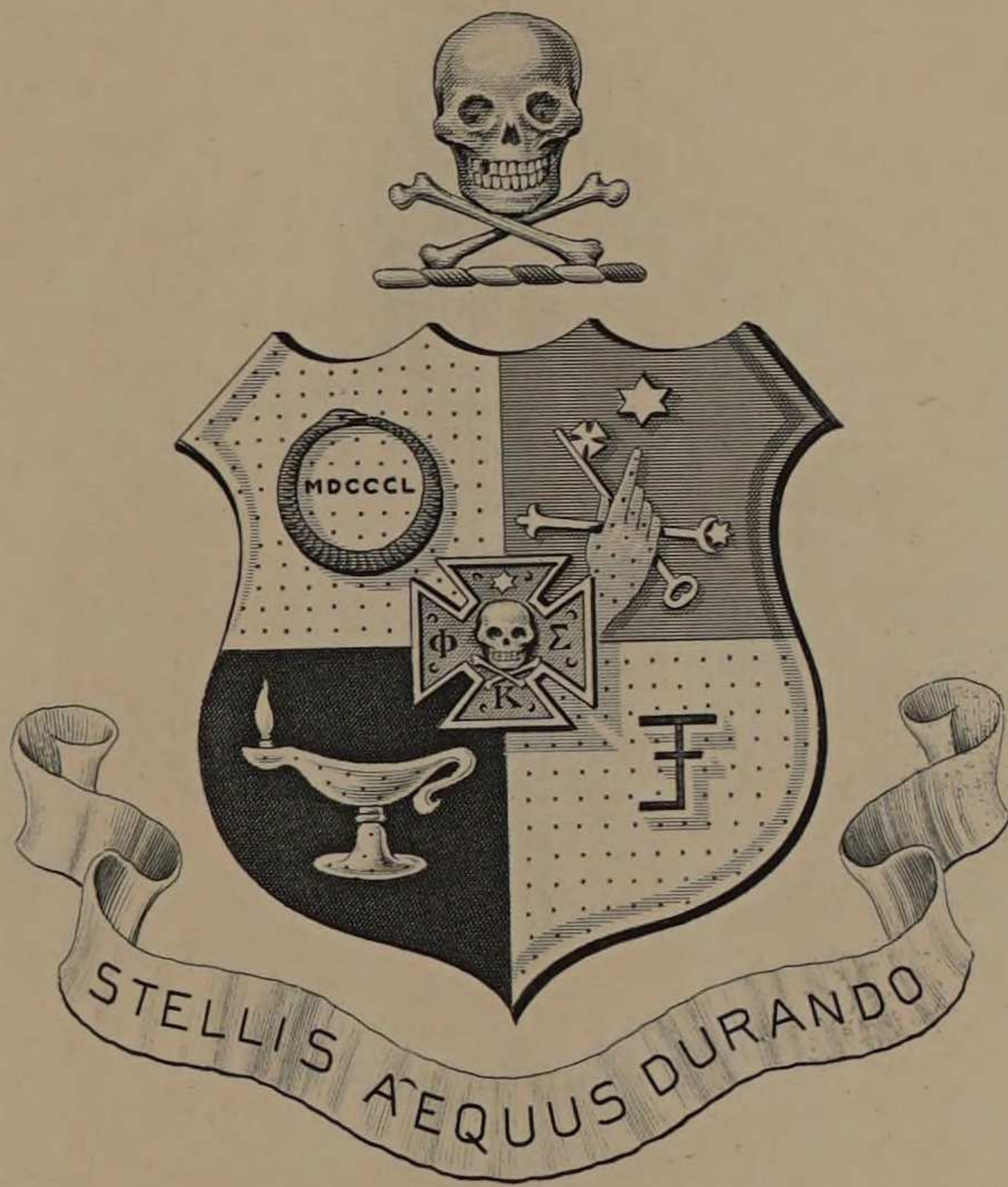
# Fraternities











*Dreka, Phila.*  
*Design Patent applied for*







FRATERNITIES

Phi Kappa Sigma

CHAPTER ROLL

FOUNDED AT THE UNIVERSITY OF PENNSYLVANIA, 1805

<i>Alpha</i> 1850 . . . . .	UNIVERSITY OF PENNSYLVANIA
<i>Delta</i> 1854 . . . . .	WASHINGTON AND JEFFERSON
<i>Epsilon</i> 1854 . . . . .	DICKINSON COLLEGE
<i>Zeta</i> 1854 . . . . .	FRANKLIN AND MARSHALL COLLEGE
<i>Eta</i> 1854 . . . . .	UNIVERSITY OF VIRGINIA
<i>Iota</i> 1855 . . . . .	COLUMBIA UNIVERSITY
<i>Mu</i> 1858 . . . . .	TULANE UNIVERSITY
<i>Rho</i> 1872 . . . . .	UNIVERSITY OF ILLINOIS
<i>Tau</i> 1872 . . . . .	RANDOLPH-MACON COLLEGE
<i>Upsilon</i> 1872 . . . . .	NORTHWESTERN UNIVERSITY
<i>Phi</i> 1873 . . . . .	RICHMOND COLLEGE
<i>Psi</i> 1890 . . . . .	PENNSYLVANIA STATE COLLEGE
<i>Alpha Alpha</i> 1894 . . . . .	WASHINGTON AND LEE UNIVERSITY
<i>Alpha Gamma</i> 1896 . . . . .	UNIVERSITY OF WEST VIRGINIA
<i>Alpha Delta</i> 1898 . . . . .	UNIVERSITY OF MAINE
<i>Alpha Epsilon</i> 1898 . . . . .	ARMOUR INSTITUTE OF TECHNOLOGY
<i>Alpha Zeta</i> 1899 . . . . .	UNIVERSITY OF MARYLAND
<i>Alpha Theta</i> 1901 . . . . .	UNIVERSITY OF WISCONSIN
<i>Alpha Iota</i> 1902 . . . . .	VANDERBILT UNIVERSITY
<i>Alpha Kappa</i> 1903 . . . . .	UNIVERSITY OF ALABAMA
<i>Alpha Lambda</i> 1903 . . . . .	UNIVERSITY OF CALIFORNIA
<i>Alpha Mu</i> 1903 . . . . .	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
<i>Alpha Nu</i> 1904 . . . . .	GEORGIA SCHOOL OF TECHNOLOGY
<i>Alpha Xi</i> 1905 . . . . .	PURDUE UNIVERSITY
<i>Alpha Omicron</i> 1905 . . . . .	UNIVERSITY OF CHICAGO
<i>Alpha Pi</i> 1906 . . . . .	CORNELL UNIVERSITY
<i>Alpha Rho</i> 1911 . . . . .	CORNELL UNIVERSITY
<i>Alpha Sigma</i> 1915 . . . . .	UNIVERSITY OF MINNESOTA
<i>Alpha Tau</i> 1915 . . . . .	LELAND STANFORD, JR. UNIVERSITY



FRATERNITIES

**Phi Kappa Sigma**

ALPHA EPSILON CHAPTER

*Chartered June 8th, 1898*

*Faculty*

JOHN J. SCHOMMER, CHICAGO, '10

*1917*

JEAN PIERRE BECHAUD  
LEONARD A. FOSCHINBAUR

EARL H. SMITH  
LEONARD ELGAR STARKEL

*1918*

GEORGE T. BURNS  
LESLIE EDWARD HAYES

MELVERNE CLARKE COLE  
HAROLD DEFOREST STEVERS

*1919*

IRL GARLTON MARTIN  
THOMAS EDWIN PRATT, JR.

WILLIAM ANSON HARRISON  
ALFRED H. BLAKER, JR.

*1920*

HERBERT THEODORE ROLLMAN  
RAYMOND LEWIS GREIST  
FREDERIC PETER MACDONALD  
CLARENCE EUGENE NORDWALL  
JAMES LAURENCE ANNING  
HUGO FRANK SASSE  
LENO ERIC JONES

JOSEPH BURDA, JR.  
FRED ERNST BUSBEY  
GLENN LEO SHERWOOD  
EUGENE MATHIAS MATSON  
ZENE REVOE MAULSBY  
ARNOLD HENRY DIERFELD  
ELLIS HAMLIN CHARLES



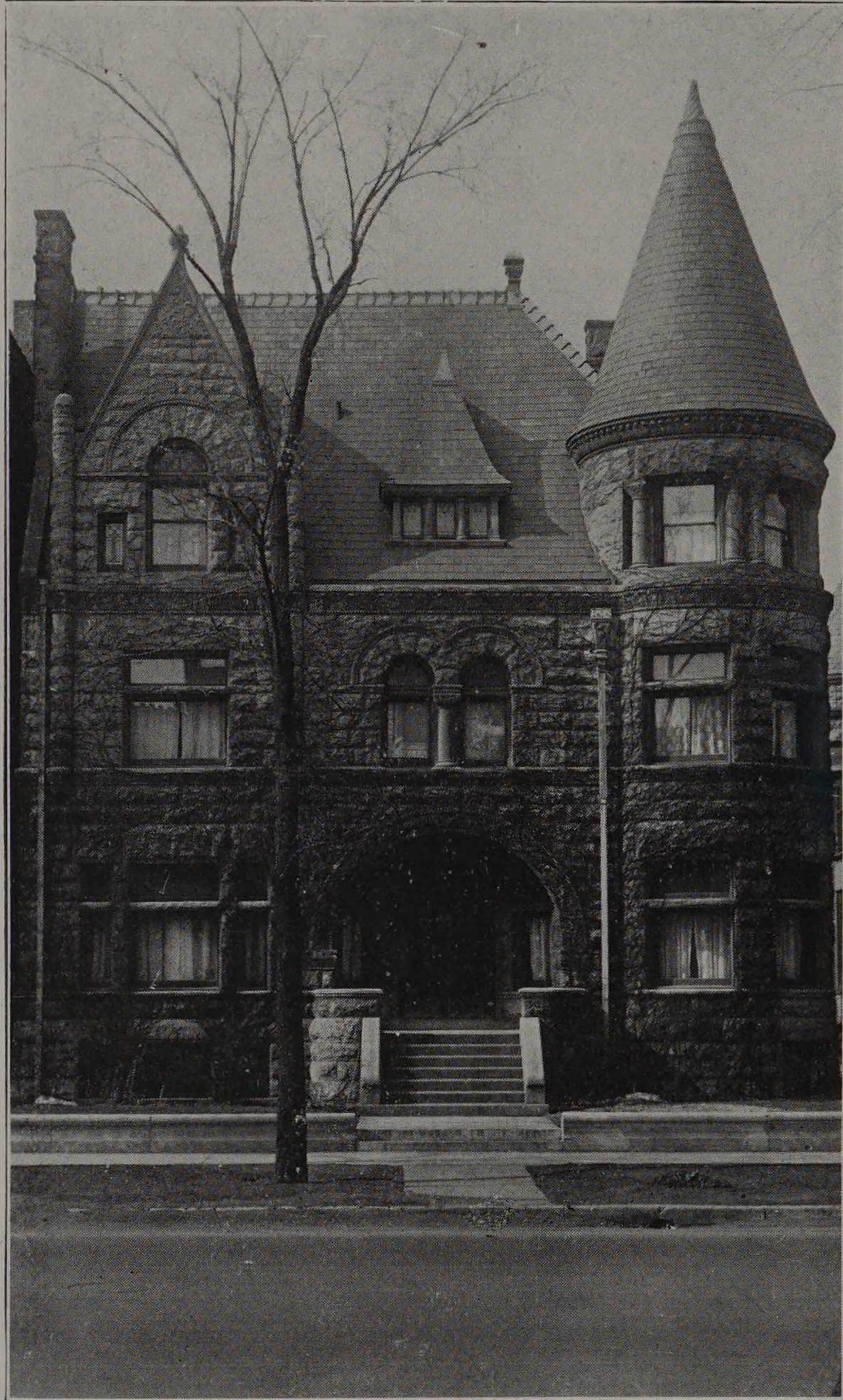
FRATERNITIES



Top Row—BURNS, HAYES, FOSCHINBAUR, DURANT. Second Row—STARKEL, BECHAUD, COLE, SMITH, STEVERS. Bottom Row—HARRISON, PRATT, MARTIN, BOOS, BLAKER, ROLLMAN.

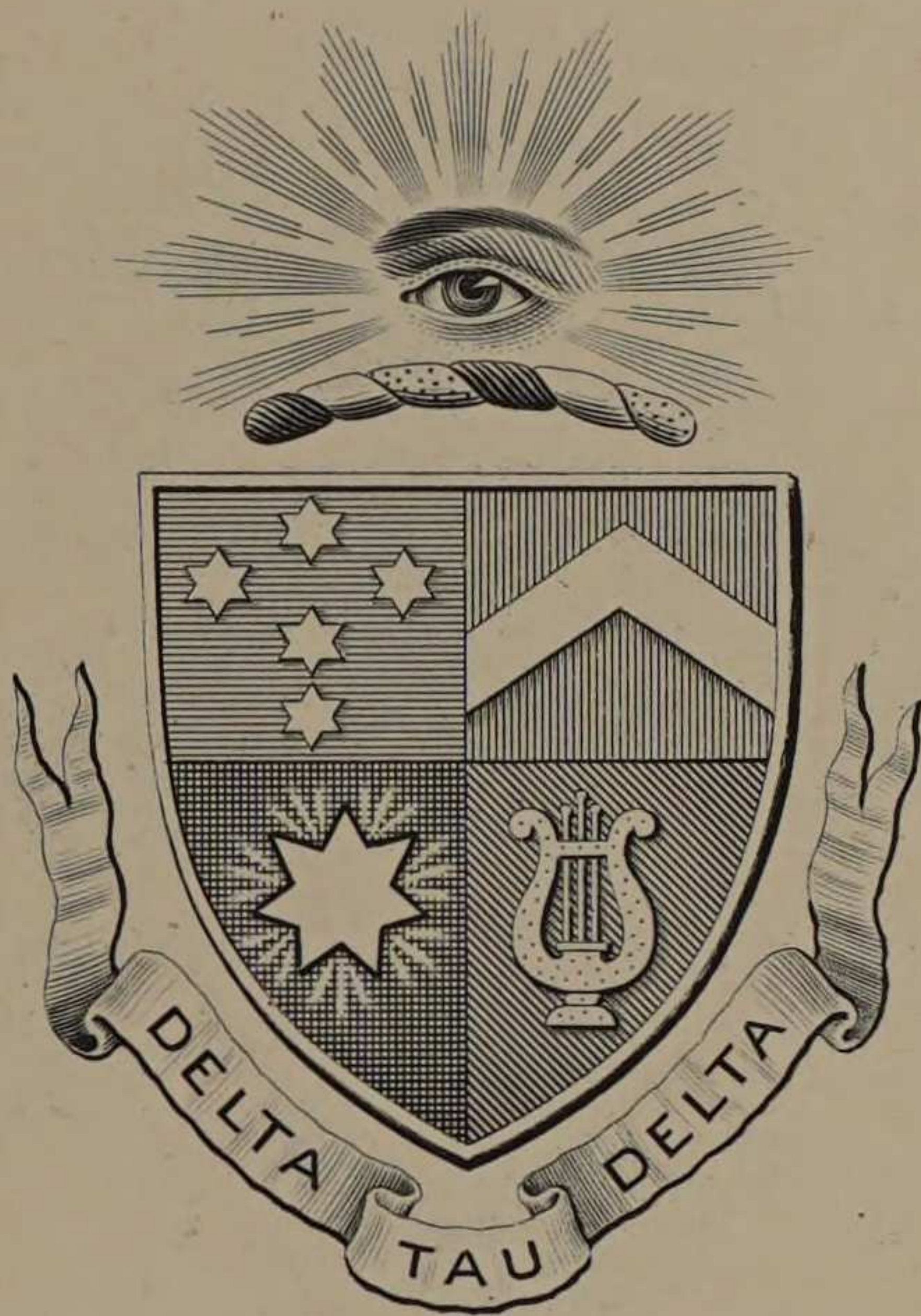


FRATERNITIES



PHI KAPPA SIGMA HOUSE





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Frank F. Rogers  
1908

Dreka, Phila.







FRATERNITIES

**Delta Tau Delta**

FOUNDED AT BETHANY COLLEGE IN 1859

CHAPTERS

SOUTHERN DIVISION

VANDERBILT UNIVERSITY	UNIVERSITY OF THE SOUTH
WASHINGTON AND LEE UNIVERSITY	UNIVERSITY OF VIRGINIA
UNIVERSITY OF GEORGIA	TULANE UNIVERSITY
EMORY COLLEGE	GEORGE WASHINGTON UNIVERSITY
	UNIVERSITY OF TEXAS

WESTERN DIVISION

UNIVERSITY OF IOWA	UNIVERSITY OF CALIFORNIA
UNIVERSITY OF WISCONSIN	UNIVERSITY OF CHICAGO
UNIVERSITY OF MINNESOTA	ARMOUR INSTITUTE OF TECHNOLOGY
UNIVERSITY OF COLORADO	BAKER UNIVERSITY
NORTHWESTERN UNIVERSITY	UNIVERSITY OF MISSOURI
LELAND STANFORD, JR. UNIVERSITY	UNIVERSITY OF WASHINGTON
UNIVERSITY OF NEBRASKA	IOWA STATE COLLEGE
UNIVERSITY OF ILLINOIS	UNIVERSITY OF OREGON
	UNIVERSITY OF KANSAS

NORTHERN DIVISION

OHIO UNIVERSITY	DE PAUW UNIVERSITY
UNIVERSITY OF MICHIGAN	BUTLER COLLEGE
ALBION COLLEGE	OHIO STATE UNIVERSITY
WESTERN RESERVE UNIVERSITY	WABASH COLLEGE
HILLSDALE COLLEGE	WEST VIRGINIA UNIVERSITY
OHIO WESLEYAN UNIVERSITY	PURDUE UNIVERSITY
KENYON COLLEGE	UNIVERSITY OF CINCINNATI
INDIANA UNIVERSITY	MIAMI UNIVERSITY

EASTERN DIVISION

ALLEGHENY COLLEGE	MASSACHUSETTS INSTITUTE OF TECH.
WASHINGTON AND JEFFERSON COLLEGE	CORNELL UNIVERSITY
LAFAYETTE COLLEGE	BROWN UNIVERSITY
STEVENS INSTITUTE OF TECHNOLOGY	DARTMOUTH COLLEGE
PENN STATE COLLEGE	COLUMBIA UNIVERSITY
RENSSELAER POLYTECHNIC INSTITUTE	UNIVERSITY OF MAINE
UNIVERSITY OF PENNSYLVANIA	SYRACUSE UNIVERSITY
LEHIGH UNIVERSITY	UNIVERSITY OF PITTSBURGH
TUFTS COLLEGE	WESLEYAN UNIVERSITY



FRATERNITIES

**Delta Tau Delta**

GAMMA BETA CHAPTER

*Chartered May 10th, 1901*

*Seniors*

GEORGE WALTER CLOIDT  
HOWARD BRUCE MAGUIRE  
LLOYD ELDON MELLOR

RALPH LINCOLN MORSE  
HAROLD GILLETTE INGRAHAM  
CARROL HARRY ROBERTS

*Juniors*

WILLIAM HOWARD BRETTING  
ROYAL ALBERT CHAPPEL  
NORMAN LEE HUFFAKER

BERNARD EMMET HARTNET  
RALPH FOWLER KOCH  
EVERETT FRANCIS QUINN

WILLIAM JAMES WIGNALL

*Sophomores*

JOHN EDWARD ALEXANDER  
GILBERT VENABLE BRADBURY  
WALTER ELWOOD MEAD

ROBERT THOMAS PETERS  
THOMAS JAMES ROWE  
ANDREW PAUL SULLIVAN

JOHN BORDEN WILBOR

*Freshmen*

WILLIAM NOLING ERICKSON  
ALFRED WILLIAM FOLEY  
JAMES EVANS HEMPSTED

FRANK CHARLES RYAN  
ALFRED TINSLEY WENNER  
HUGH WYNNE

EARL KENDRICK ZINN

*Pledges*

EVERETT HARMON





Top Row—HARTNETT, MELLOR, MAGUIRE, WIGNALL, WILBOR. Third Row—KOCH, BRETTING, ALEXANDER, PETERS, ERICKSON, QUINN. Second Row—INGRAHAM, MORSE, CLOIDT, ROBERTS, BRADBURY, HUFFAKER, SULLIVAN. Bottom Row—HEMPSTED, WENNER, ZINN, HARMON, FOLEY, MEAD.

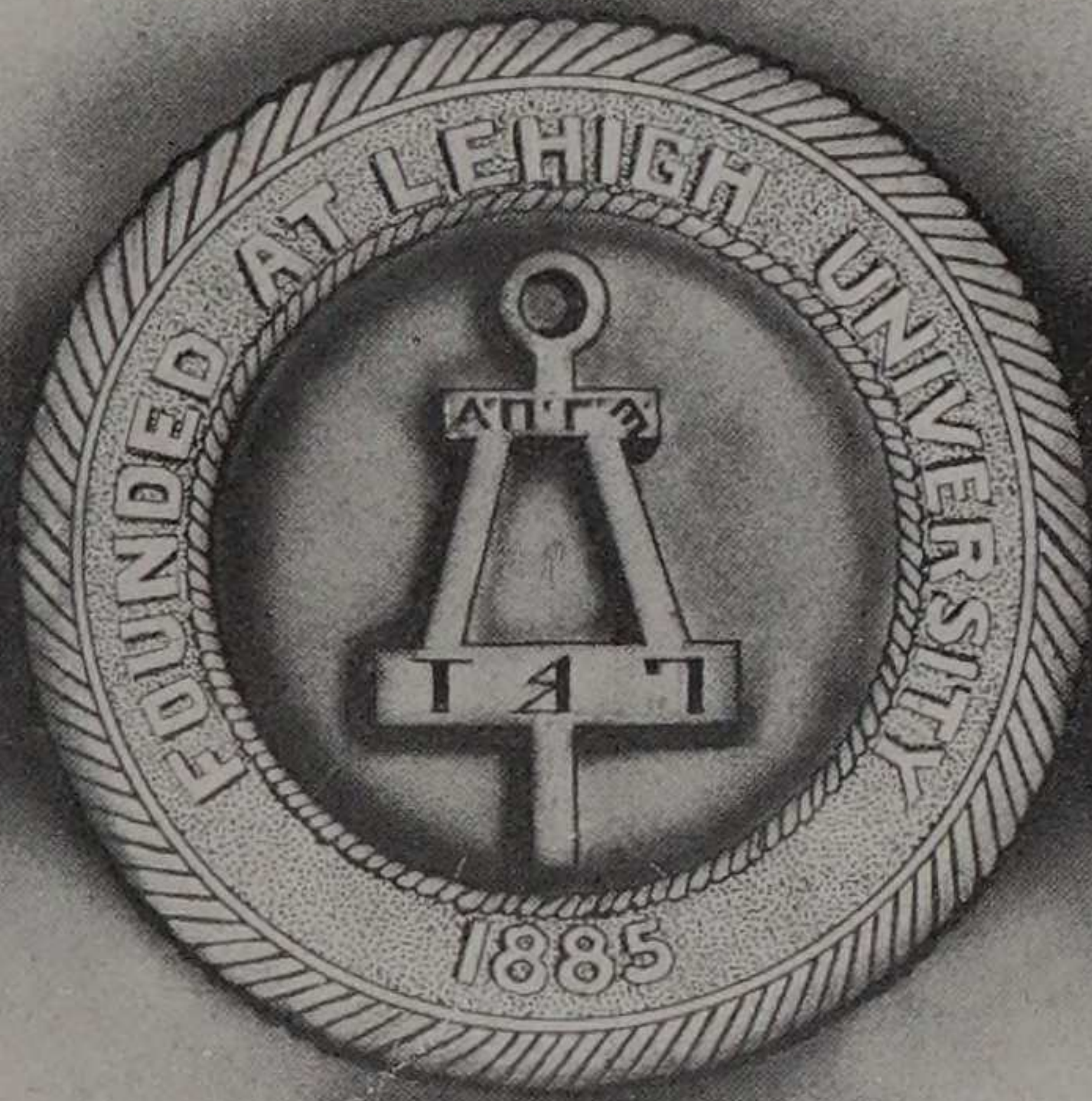


FRATERNITIES



DELTA TAU DELTA HOUSE





T A T



FRATERNITIES

# Tau Beta Phi

## BETA CHAPTER OF ILLINOIS

*Chartered April 6, 1906*

### *Faculty Members*

E. H. FREEMAN, Armour, '02	H. L. NACHMAN, Armour, '02
P. C. HUNTLY, Arkansas, '10	J. C. PEEBLES, Armour, '04
W. H. LAUTZ, Armour, '13	J. C. PENN, Armour, '05
C. W. LEIGH, Illinois, '87	R. V. PERRY, Armour, '97
E. S. LIBBY, Armour, '02	J. V. RICHARDS, Illinois, '10
D. P. MORETON, Armour, '06	DANIEL ROESCH, Armour, '04
M. B. WELLS, Purdue, '94	

### *Honorary*

H. M. RAYMOND, Dean of the Engineering Studies  
A. E. PHILLIPS, Professor of Civil Engineering  
G. F. GEBHARDT, Professor of Mechanical Engineering  
HARRY McCORMACK, Professor of Chemical Engineering

### *1917*

ABRAHAM CORMAN	LLOYD E. MELLOR
RALPH H. EARLE	W. RUSSELL OWEN
GEORGE M. FRITZE	CHARLES R. POMEROY
NORMAN J. GOORSKEY	EDWARD D. PORGES
HAROLD G. INGRAHAM	ARMIN L. SCHREIBER
LAURENCE A. KING	CARROLL L. SHAW
HAROLD A. KLEINMAN	ARNOLD H. SMITH
HARRY E. MAHER	LEONARD E. STARKEL
KENNETH A. MCGREW	HAROLD S. WHITE
ARCHIE J. MEASE	WALTER WOLLASTON

### *1918*

DONALD E. CABLE	EDWARD A. MOORE
FRANK S. COWLES	KENNETH M. SABISTON
NORMAN L. HUFFAKER	HAROLD H. SHOTWELL
KENNETH A. TAYLOR	





Top Row—SCHRIEBER, PORGES, GOORSKEY, SMITH, MELLOR, SHAW, MEASE, STARKEL. Middle Row—FRITZE, INGRAHAM, PEEBLES, PENN, GEBHARDT, PERRY, WELLS, FREEMAN, WOLLASTON. Bottom Row—MCGREW, MAHER, POMEROY, KLEINMAN, KING, WHITE, EARLE, CORMAN, OWEN.



FRATERNITIES

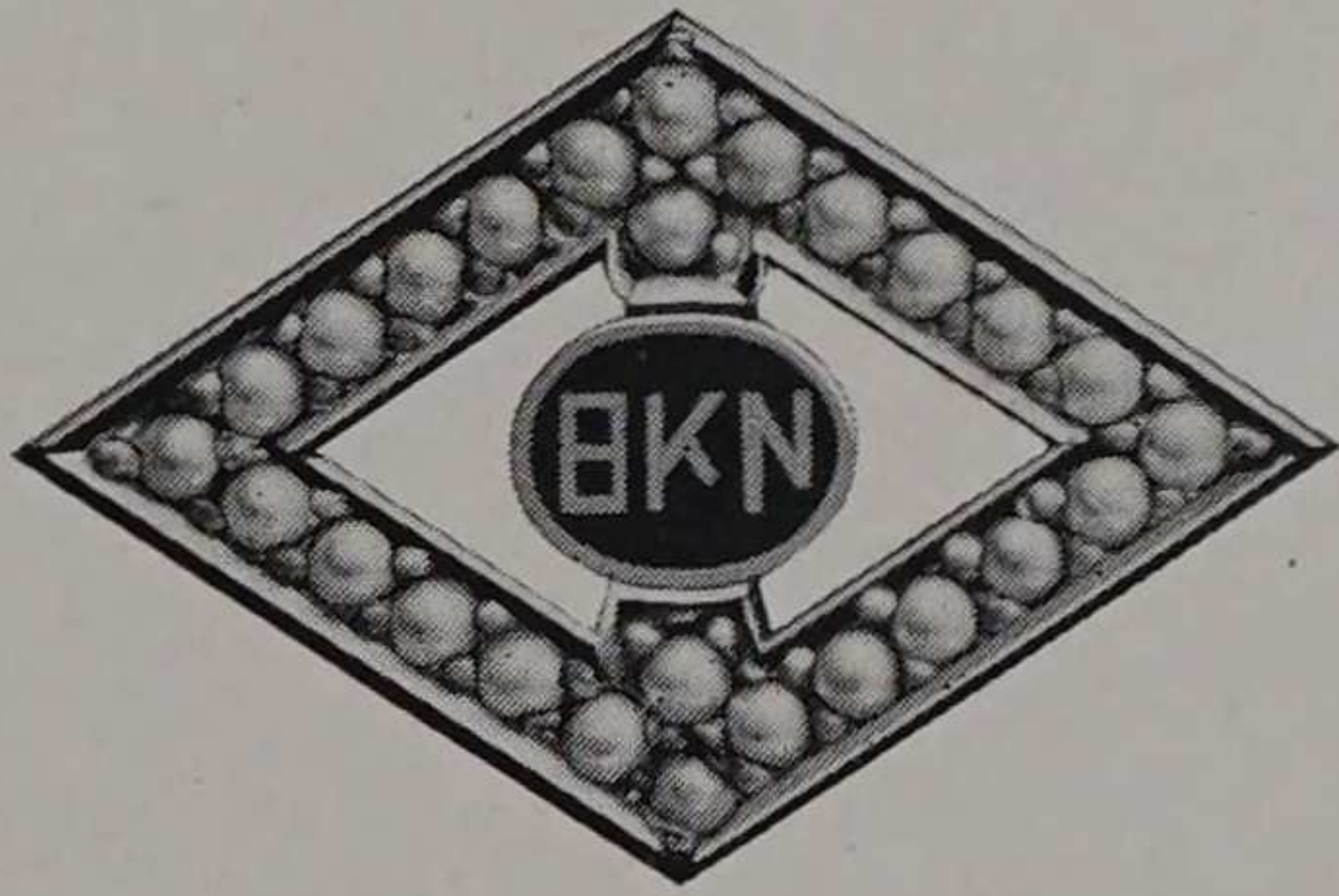
**Tau Beta Pi**

CHAPTER ROLL

FOUNDED AT LEHIGH UNIVERSITY IN 1885

<i>Lehigh University 1885</i>	ALPHA OF PENNSYLVANIA
<i>Michigan Agricultural College 1892</i>	ALPHA OF MICHIGAN
<i>Purdue University 1893</i>	ALPHA OF INDIANA
<i>Stevens Institute of Technology 1896</i>	ALPHA OF NEW JERSEY
<i>University of Illinois 1897</i>	ALPHA OF ILLINOIS
<i>University of Wisconsin 1899</i>	ALPHA OF WISCONSIN
<i>Case School of Applied Science 1900</i>	ALPHA OF OHIO
<i>University of Kentucky 1902</i>	ALPHA OF KENTUCKY
<i>Columbia University 1902</i>	ALPHA OF NEW YORK
<i>University of Missouri 1902</i>	ALPHA OF MISSOURI
<i>Michigan College of Mines 1904</i>	BETA OF MICHIGAN
<i>Colorado School of Mines 1905</i>	ALPHA OF COLORADO
<i>University of Colorado 1905</i>	BETA OF COLORADO
<i>Armour Institute of Technology 1906</i>	BETA OF ILLINOIS
<i>Syracuse University 1906</i>	BETA OF NEW YORK
<i>University of Michigan 1906</i>	GAMMA OF MICHIGAN
<i>Missouri School of Mines 1906</i>	BETA OF MISSOURI
<i>University of California 1906</i>	ALPHA OF CALIFORNIA
<i>Iowa State College 1907</i>	ALPHA OF IOWA
<i>University of Iowa 1908</i>	BETA OF IOWA
<i>University of Minnesota 1909</i>	ALPHA OF MINNESOTA
<i>Cornell University 1910</i>	DELTA OF NEW YORK
<i>Worcester Polytechnic Institute 1910</i>	ALPHA OF MASSACHUSETTS
<i>University of Maine 1911</i>	ALPHA OF MAINE
<i>Pennsylvania State College 1912</i>	BETA OF PENNSYLVANIA
<i>University of Washington 1912</i>	ALPHA OF WASHINGTON
<i>University of Arkansas 1914</i>	ALPHA OF ARKANSAS
<i>University of Kansas 1914</i>	ALPHA OF KANSAS
<i>University of Cincinnati 1915</i>	BETA OF OHIO
<i>Carnegie Institute of Technology 1916</i>	GAMMA OF PENNSYLVANIA







FRATERNITIES

**Eta Kappa Nu**

*Honorary Electrical*

DELTA CHAPTER

*Chartered 1909*

*Faculty*

PROFESSOR J. J. GILBERT

PROFESSOR G. E. MARSH

*1917*

RALPH HILLIARD EARLE  
VERNON E. HUPP  
HAROLD A. KLEINMAN  
JAMES D. HARVEY

EARL HIRST SMITH  
EDWARD D. PORGES  
WILLIAM T. WATT  
JOEL E. ANDERSON

*1918*

HAROLD DEFOREST STEVERS  
JOHN W. TIERNEY  
CLYDE SENESCALL  
CLINTON E. STRYKER  
HAROLD H. SHOTWELL

LEROY O. ORAHOOD  
AXEL A. HOFGREN  
ORA M. HULLINGER  
RALPH H. G. MATHEWS  
EDWARD A. MOORE, JR.



FRATERNITIES



Top Row—PORGES, TIERNEY, WATT, STRYKER, HUPP. Middle Row—ANDERSON, HARVEY, KLEINMAN, EARL. Bottom Row—STEVERS, ORAHOD, SENESCALL, SHOTWELL, SMITH.



FRATERNITIES

**Eta Kappa Nu**

*HONORARY ELECTRICAL*

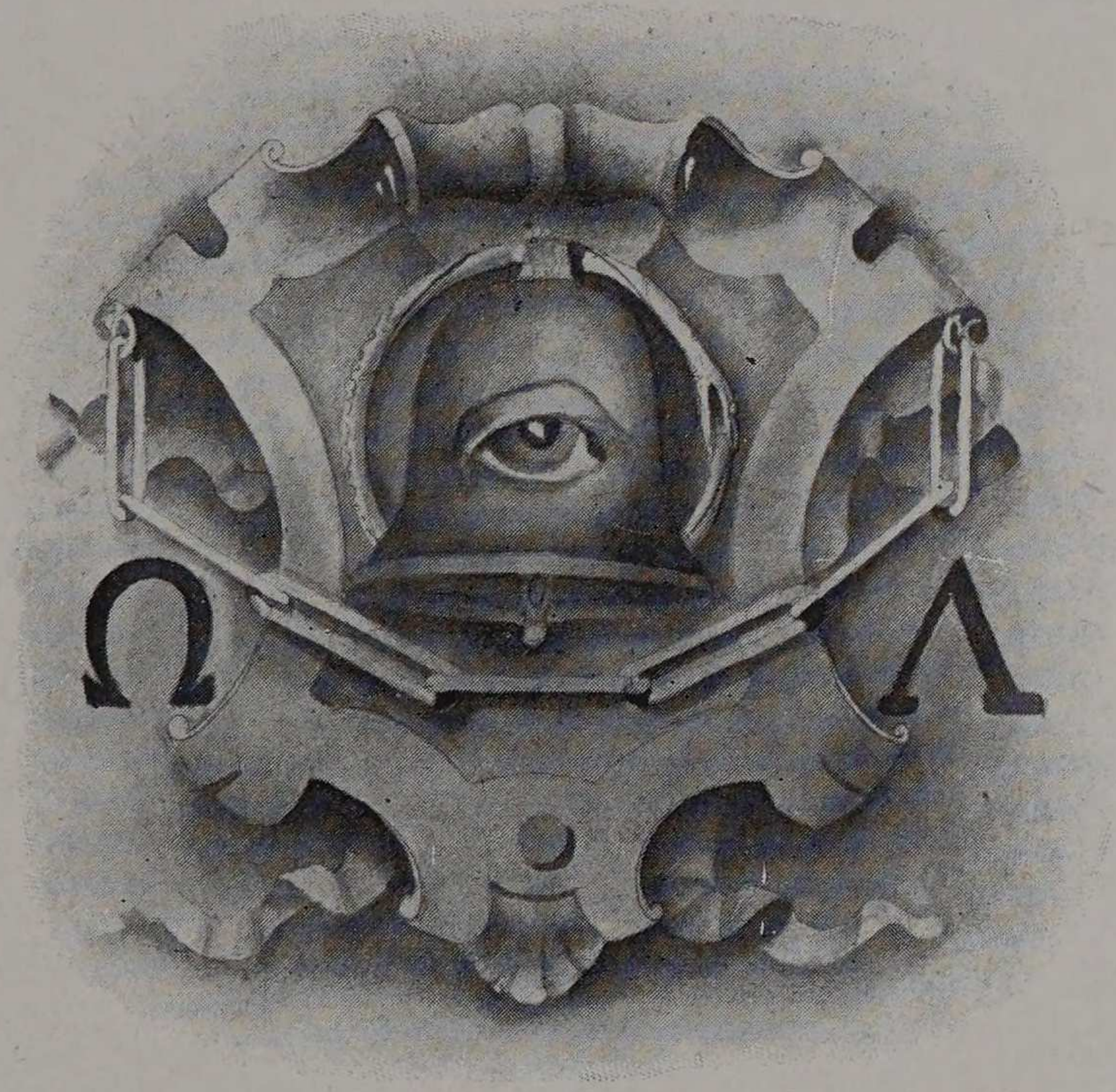
FOUNDED AT THE UNIVERSITY OF ILLINOIS, 1904

*CHAPTER ROLL*

<i>Alpha</i>	. . . . .	UNIVERSITY OF ILLINOIS, URBANA, ILL.
<i>Beta</i>	. . . . .	PURDUE UNIVERSITY, LAFAYETTE, IND.
<i>Gamma</i>	. . . . .	OHIO STATE UNIVERSITY, COLUMBUS, OHIO
<i>Delta</i>	. . . . .	ARMOUR INSTITUTE OF TECHNOLOGY, CHICAGO, ILL.
<i>Epsilon</i>	. . . . .	PENNSYLVANIA STATE COLLEGE, STATE COLLEGE, PA.
<i>Zeta</i>	. . . . .	CASE SCHOOL OF APPLIED SCIENCE, CLEVELAND, OHIO
<i>Theta</i>	. . . . .	UNIVERSITY OF WISCONSIN, MADISON, WIS.
<i>Iota</i>	. . . . .	UNIVERSITY OF MISSOURI, COLUMBUS, MO.
<i>Kappa</i>	. . . . .	CORNELL UNIVERSITY, ITHACA, NEW YORK
<i>Lambda</i>	. . . . .	UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA.
<i>Mu</i>	. . . . .	UNIVERSITY OF CALIFORNIA, BERKELEY, CAL.

PITTSBURGH ALUMNI CHAPTER, PITTSBURGH, 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.  
ST. LOUIS ALUMNI CHAPTER, ST. LOUIS, MO.







FRATERNITIES

# Omega Lambda

LOCAL

*Organized October 21, 1908*

*Faculty*

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

1917

STUART R. EVANS  
WALTER WOLLASTON

E. WILFRED HAINES  
VERNON E. HUPP

CLINTON STRYKER

1918

HAROLD H. SHOTWELL  
STANLEY L. EVANS  
RICHARD N. MANN  
EVERETT R. COLE  
WILLIAM EAGLE  
SIGMUND D. NOTHHELPER  
HENRY D. KING

THOMAS KINGSLEY, JR.  
FRED E. MARX  
O. MERLE HULLINGER  
KENNETH M. SABISTON  
NORTON L. MARVIN  
RAYMOND ERICKSON  
CLYDE SENESCALL

RALPH HOUSEMAN

1919

J. McWILLIAMS STONE  
DERWOOD S. CHASE  
ARTHUR GRASSE  
MORTON W. ROGERS  
EINAR L. NIELSEN

ALFRED E. MAITRE  
CLARENCE B. CLARK  
RALPH R. LAKE  
RAYMOND O. JOSLYN  
ALBERT J. JENSEN

ARWED J. SOMMER

1920

MYNHART BRUECKNER  
WILLIAM E. KINGSLEY  
ALBERT MARTINSON  
F. CLARE HINCKLEY

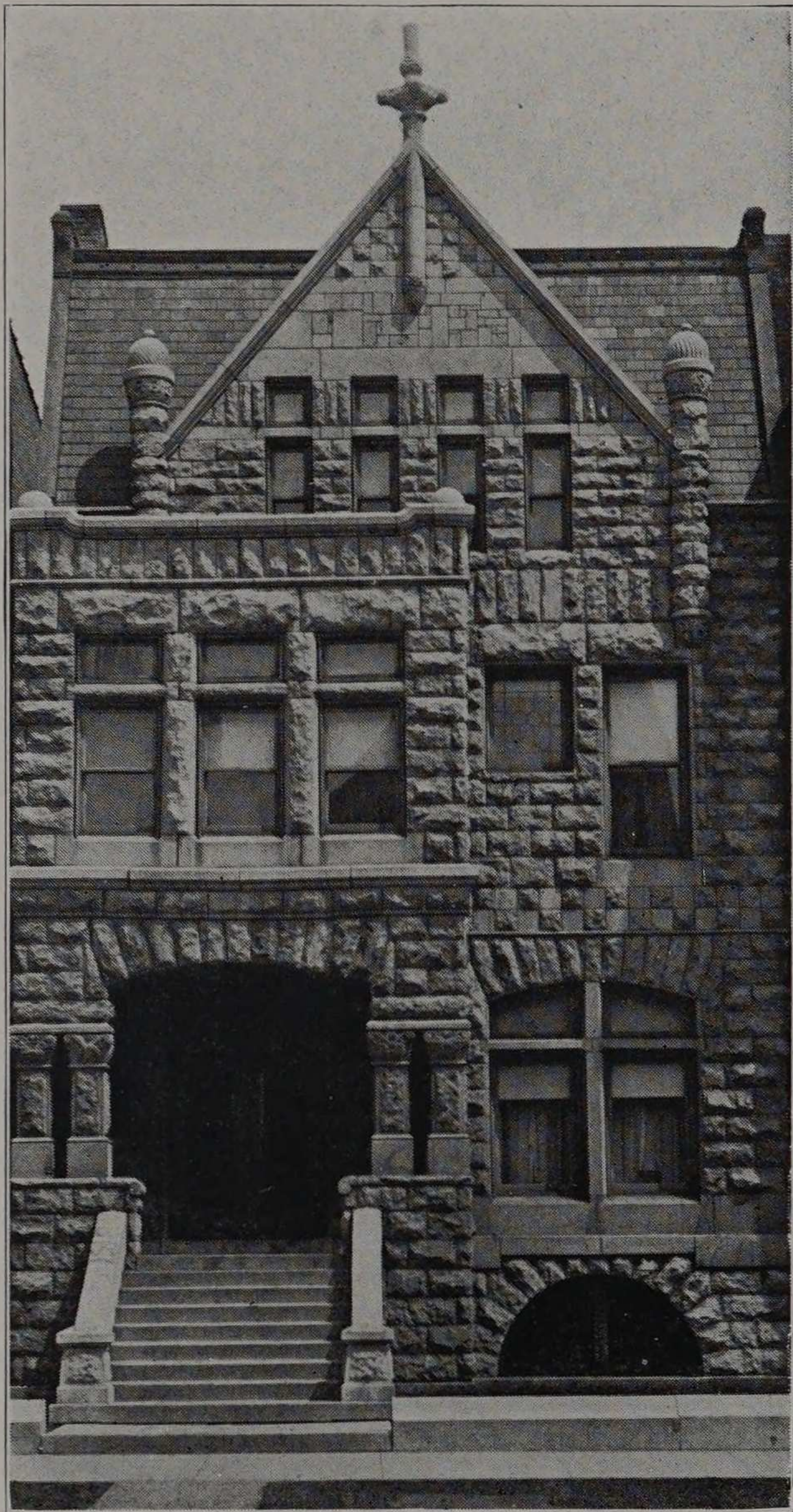
HAROLD HUBER  
LEONARD HOLMES  
RALPH D. BECK  
JONATHAN E. SNIDER





Top Row—MARVIN, STONE, HULLINGER, MANN, JOSYLN, HAINES. Third Row—T. KINGSLEY, STRYKER, MARX, SHOTWELL, NIELSEN, JENSEN, CHASE, CLARK, ROGERS. Second Row—GRASSE, SABISTON, WOLLASTON, HUPP, ERICKSON, PERRY, PENN, S. R. EVANS. Bottom Row—HOLMES, HINCKLEY, BRUECKNER, BECK, SOMMER, W. KINGSLEY, COLE, HUBER.





OMEGA LAMBDA HOUSE







FRATERNITIES

## Sigma Kappa Delta

*Organized September 20th, 1912*

### *Faculty Members*

STANLEY DEAN, Armour, '05	WILLIAM J. LAUTZ, Armour, '13
JOHN J. GILBERT, Penn. '06	JAMES C. PEEBLES, Armour, '04
WILLIAM G. SMITH, Cornell, '92	

### *1917*

JOHN L. BROYLES	LEROY O. ORAHOOD
GERALD T. DOUGHERTY	W. RUSSEL OWEN
RALPH H. EARLE	CHARLES R. POMEROY
ARTHUR G. FITZNER	ARMIN L. SCHREIBER
GEORGE M. FRITZE	ARNOLD H. SMITH
ORREN L. HAILEY	WM. P. TRONVIG
OMAR G. O'GRADY	WM. T. WATT

### *1918*

HERBERT W. PUSCHEL

### *1919*

HENRY B. ATHERTON	WILLIAM J. McCORMACK
DANIEL C. BERG	ARMAND R. MONACO
ROY T. CHRISTIANSEN	HOWARD S. MEUSSE
MARIAN E. BACON	ARTHUR OIEN
ARTHUR N. GAIL	GEORGE C. PETERSON
CHRISTOPHER L. GAUL	WILLIAM J. SAVOYE
J. ALMON KEITH	WAYNE H. STEVENS
EDWARD J. KILFOYLE	ALBERT T. THROOP

### *1920*

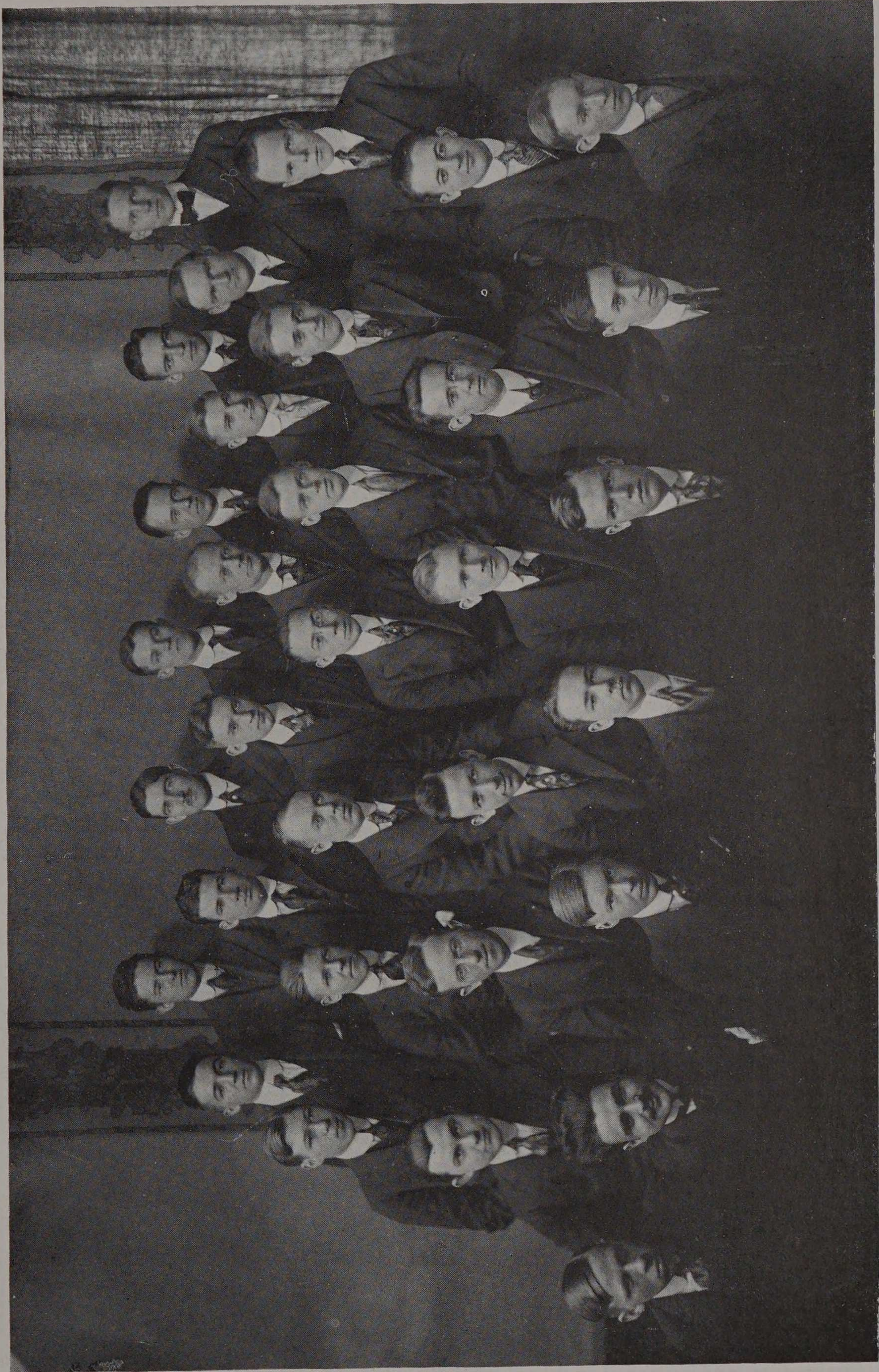
EDWIN E. DODDS	ROBERT ILLG
ALFRED C. HOVEN	

### *Pledges*

EDWIN H. ARNOLD	GEORGE F. TOUGH
RICHARD M. BRENNAN	JOHN B. O'CONNELL
J. M. CAREY	FRANCIS P. SHEA



FRATERNITIES



Top Row—DOUGHERTY, SMITH, POMEROY, ORAHOOD, FRITZE, BERG. Fourth Row—SHREIBER, KILFOYLE, GAUL, TRONVIG, FITZNER, BROYLES. Third Row—SAVOYE, GAIL, THROOP, EARLE, ATHERTON, EDWARDS, WATT. Second Row—MUESSE, MCCORMACK, OWEN, O'GRADY, HAILEY, PUSCHEL. First Row—CHRISTIANSON, MONACO, OWIEN, STEVENS, O'CONNELL, ILG, KEITH.

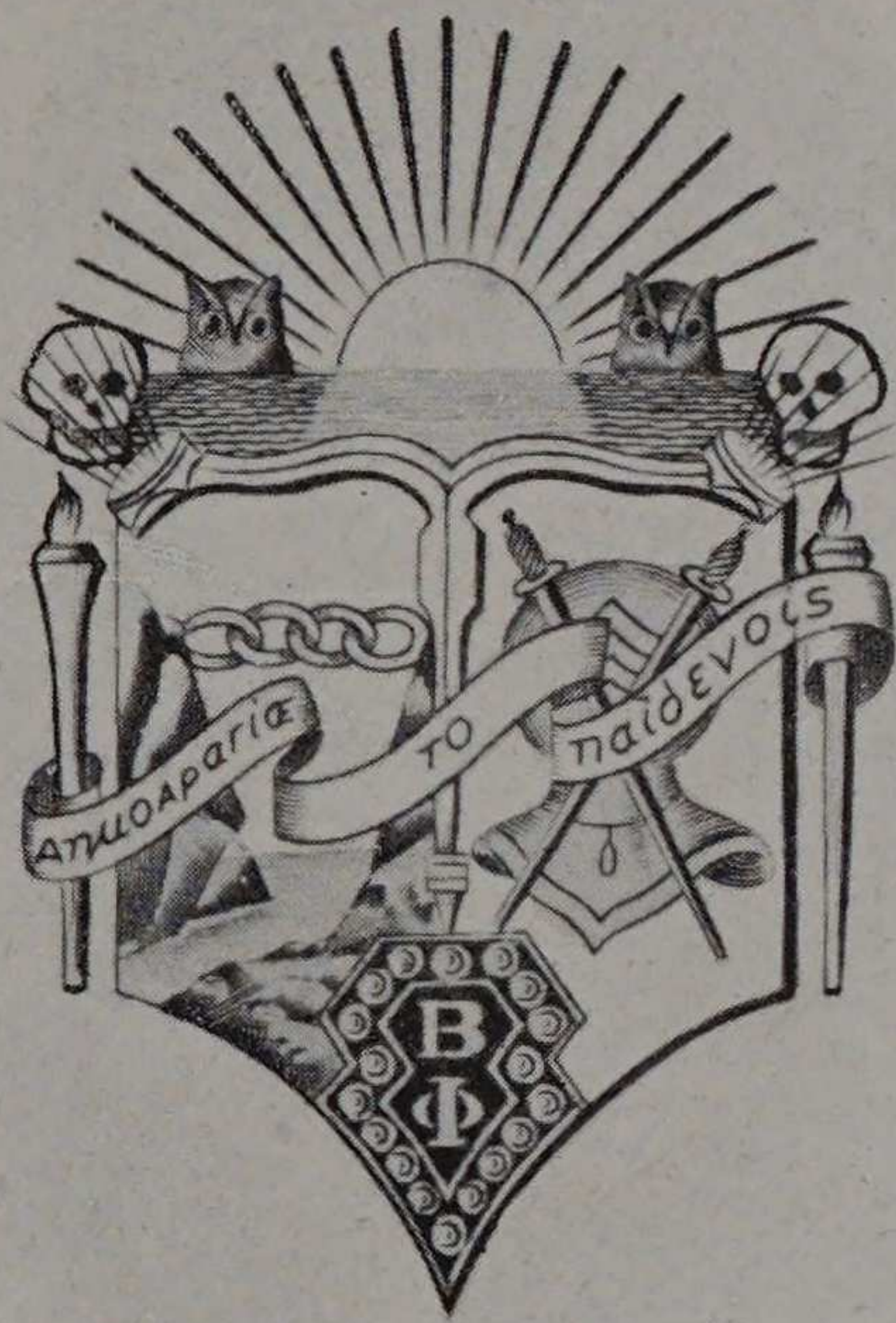


FRATERNITIES



SIGMA KAPPA DELTA HOUSE







FRATERNITIES

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
Theta . . . . .	ROSE POLYTECHNICAL INSTITUTE

GAMMA CHAPTER

Chartered March 1913

Faculty

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

1917

A. CORMAN    R. BERNARD KURZON  
ROBERT F. SCHREINER

1918

FRED DIERSTEIN                                      WILLIAM F. SANDROFF  
WILLIAM FINKL                                        KENNETH A. TAYLOR  
VOLNEY A. KERR                                      FRANCIS B. VOGDES  
PAUL F. AITCHISON                                    LESLIE WEISS  
HAROLD T. HUBER                                      LOUIS E. TWERY  
LORENZ W. MATTERN

1919

CARL ALMQUIST                                        CHESTER C. DANFORTH  
ROBERT T. GASCHE                                    CARL L. GOLD  
WILLIAM MENDIUS                                    HUBERT G. REHFELDT

Pledged

EARL EWEN    WALTER W. KOEHLER  
JAMES IRA BREADY                                    RAYMOND MALWITZ  
ROSS LOWRY    HARRY E. CURTISS  
ALLEN ERICKSON                                        EMIL VOGT  
ALBERT H. THOMPSON                                ALBERT C. GRABENDIKE  
HARRY KIHLLSTROM                                   HARRY T. CLAUSEN  
LEONARD L. GORDINIER



FRATERNITIES



Top Row—Vogdes, Mendijs, Rehfeldt, Mattern, Finkl, Almquist, Sandroff, Kerr, Twery. Middle Row—Weiss, Shreiner, Corman, Taylor. Bottom Row—Gold, Grabendike, Vogt, Dierstein, Malwitz.



FRATERNITIES



BETA PHI HOUSE







FRATERNITIES

**Scarab**

HONORARY ARCHITECTURAL

FOUNDED AT THE UNIVERSITY OF ILLINOIS, 1909

TEMPLES

<i>Karnak</i>	UNIVERSITY OF ILLINOIS
<i>Edfou</i>	ARMOUR INSTITUTE OF TECHNOLOGY
<i>Ipsim Boule</i>	WASHINGTON UNIVERSITY
<i>Thebes</i>	PENNSYLVANIA STATE UNIVERSITY

*EDFOU TEMPLE*

*Chartered 1915*

*Faculty Members*

EARL H. REED

W. C. RICHARDS

*1917*

A. N. DRYDEN

P. J. McGRATH

H. G. INGRAHAM

K. A. MCGREW

H. E. MAHER

*1918*

R. A. CHAPPELL

H. B. MACELDOWNEY

F. S. COWLES

E. F. QUINN

S. C. HULBURT

W. C. WRIGHT

R. F. KOCH

*1919*

R. T. CHRISTIANSEN

G. E. WELLS

E. R. HARMON



FRATERNITIES

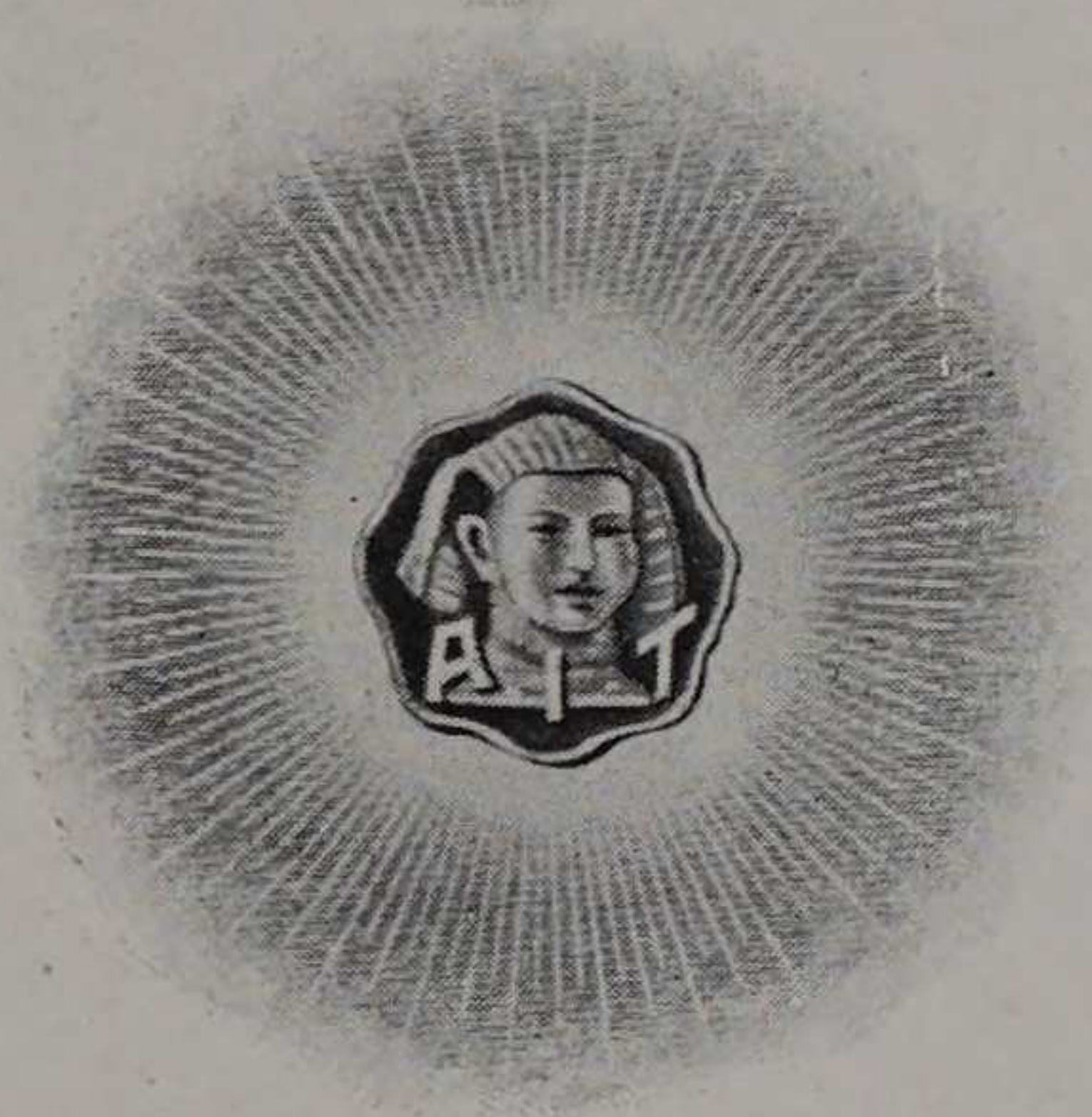


Top Row—Koch, Quinn, Chappel, McGrath, Christian. Second Row—Wright, Maher, Ingraham, Reed, MacEldowney, McGrew. First Row—Wells, Cowles, Dryden, Harmon, Hulbert.











FRATERNITIES

**Sphinx**

OFFICERS

HAROLD D. STEVERS . . . . . *President*  
HERBERT W. PUSCHEL . . . . . *Secretary-Treasurer*

*Faculty Member*  
DEAN L. C. MONIN

*Members in College*

LEONARD E. STARKEL	HAROLD D. STEVERS
A. CORMAN	HERBERT W. PUSCHEL
LAWRENCE A. KING	HAROLD H. SHOTWELL
W. W. WOLLASTON	LESLIE WEISS



FRATERNITIES



Top Row—STEVERS, SHOTWELL, WOLLASTON, KING, CORMAN. First Row—PUSCHEL, WEISS.







## CLASS SOCIETIES



L. A. KING

J. W. TIERNEY

V. A. KERR

### Honor "A" Society

Two men met not so long ago in a small southern town to talk over business. After they had finished their business transaction, and were smoking cigars together, the elder one noticed a small block "A" on the younger man's watch chain. It reminded him of his Alma Mater, Armour Tech, so he asked what it signified, and found out that the younger man was also an Armour graduate. Clasp hands, they related to each other how they had won their "A's" in their separate sports; the elder one in basket ball and track in 1903, and the younger man in baseball in 1914. Then the wearer of this coveted "A" told to his brother alumnus, how a club had been formed, called the Honor "A" society, in the spring of 1914, for the purpose of bettering athletics and promoting good fellowship at Armour; also to aid in bringing out material, and hence stimulating competition for places on the various teams. To get things started, a petition was submitted so the Executive Council, which approved the idea at once, and authorized the "A" men to carry out their plans as laid. At the first meeting of the athletes, a constitution was drawn up and officers were elected.

A few of the most important articles in the constitution are as follows:

Art. 2, Sec. 1. The society is to serve as a working unit for all "A" men in the discussion of athletic questions, and (Sec. 2) to secure and preserve all records of athletic teams.

Art. 3, Sec. 1. Any student of Armour Institute who has won a letter in any of the three major sports, (basketball, baseball, or track) is eligible to membership.

Art. 5, Sec. 1. There shall be no regular meetings, except the annual banquet. Meetings shall be called by the President.

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

(1) A letter won in baseball shall be indicated on the right side. (2) A letter won in basketball shall be indicated on the left side. (3) A letter won in track shall be indicated on each leg of the "A". (4) Each captain shall wear a star on the cross-bar of the "A".



CLASS SOCIETIES

Honor "A" Society

*Honorary Members*

JOHN J. SCHOMMER

DR. H. B. THOMAS

*Members in College*

LAWRENCE A. KING	President
J. TIERNEY	Secretary and Treasurer
V. A. KERR	Statistician

WM. SANDROFF

K. A. TAYLOR

V. A. KERR

F. J. CONWAY

K. V. HALL

H. A. BRUCE

O. M. HULLINGER

W. T. WATT

L. A. KING

L. V. KUTTNAUER

A. J. SOMMER

J. TIERNEY

WM. MENDIUS

A. SULLIVAN

S. L. EVANS

A. L. SCHREIBER

S. B. WILLIAMS

IRA BREADY

A. F. ERICKSON



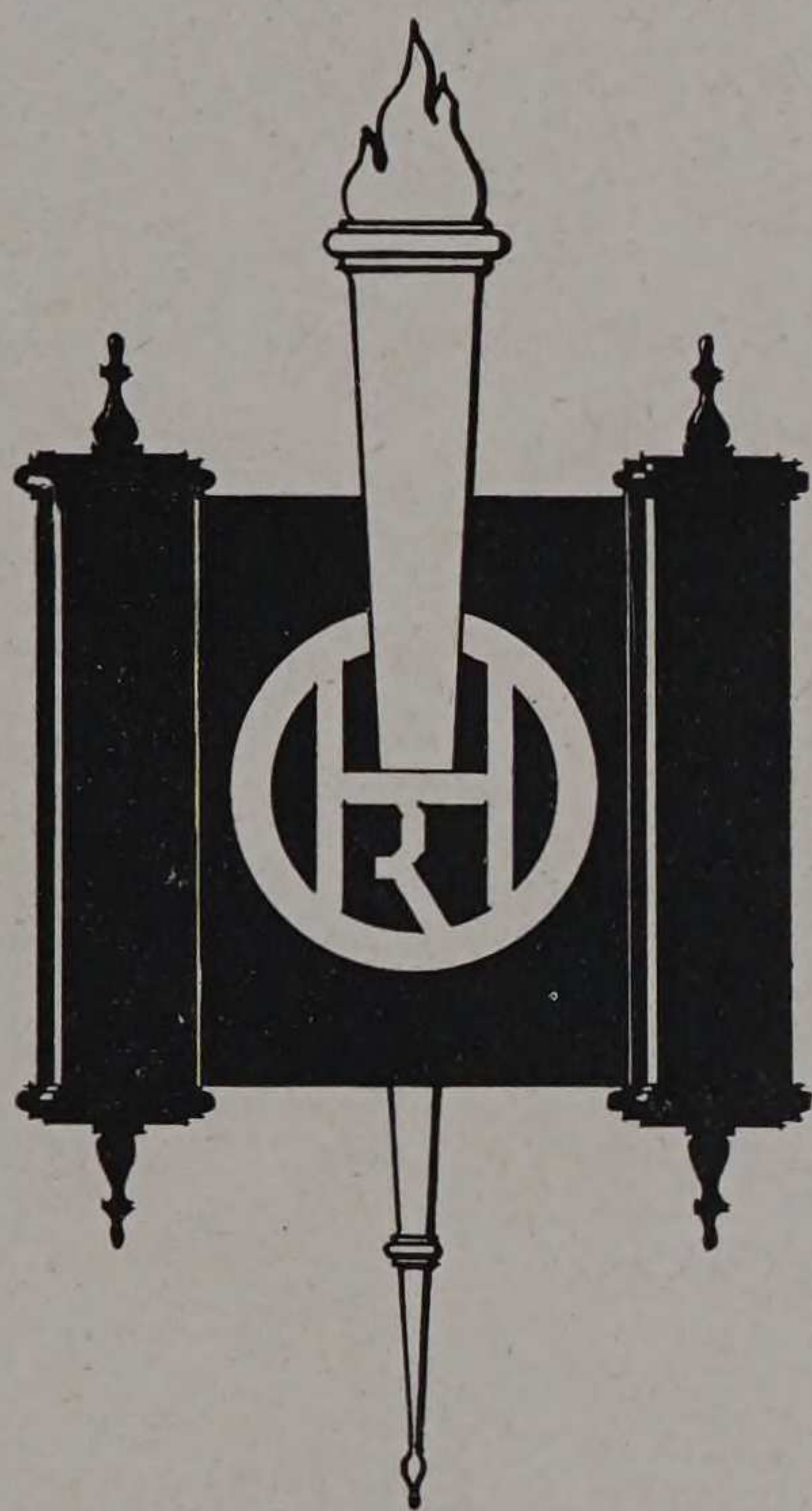
CLASS SOCIETIES













CLASS SOCIETIES

**The Ohr**

*Class of 1917*

BERTRAM ROBECHER	NATHAN STEINDLER
MYRON L. SUMMERFIELD	WILLIAM HANKAN
EDWARD FRIEDMAN	

*Class of 1918*

RAYMOND B. ANTHONY	HARRY GLUBE
--------------------	-------------

*Class of 1919*

ALEXANDER S. LAZORIS	HARRY K. WERTHEIMER
----------------------	---------------------

*Class of 1920*

ROY N. SPITZER	EDWARD STEINBERG
----------------	------------------

*Alumni*

SAMUEL N. ABRAMS	HARRY S. HARRIS
SAMUEL E. SOSNA	SIDNEY C. FINKELSTEIN
BENNO B. SOSTHEIM	ALEXANDER N. GROSSMAN





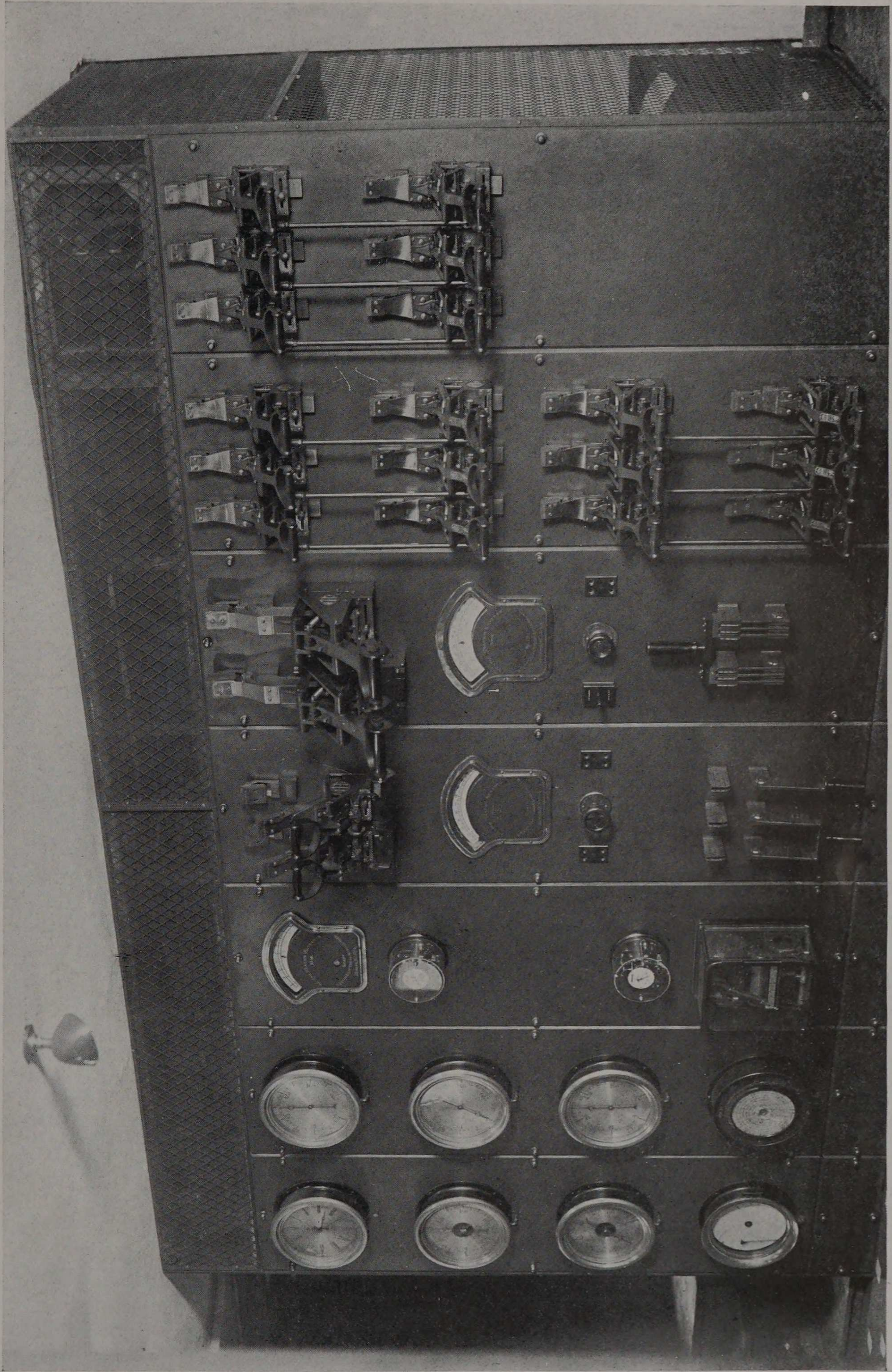
Top Row—NEWMAN, FRIEDMAN, ANTHONY, SPITZER, STEINBERG.  
Second Row—WERTHEIMER, LA ZORIS, ROBECHK, SUMMERFIELD, STEINDLER, GLUBE, HANKAN



SUMMER CAMP SCENES







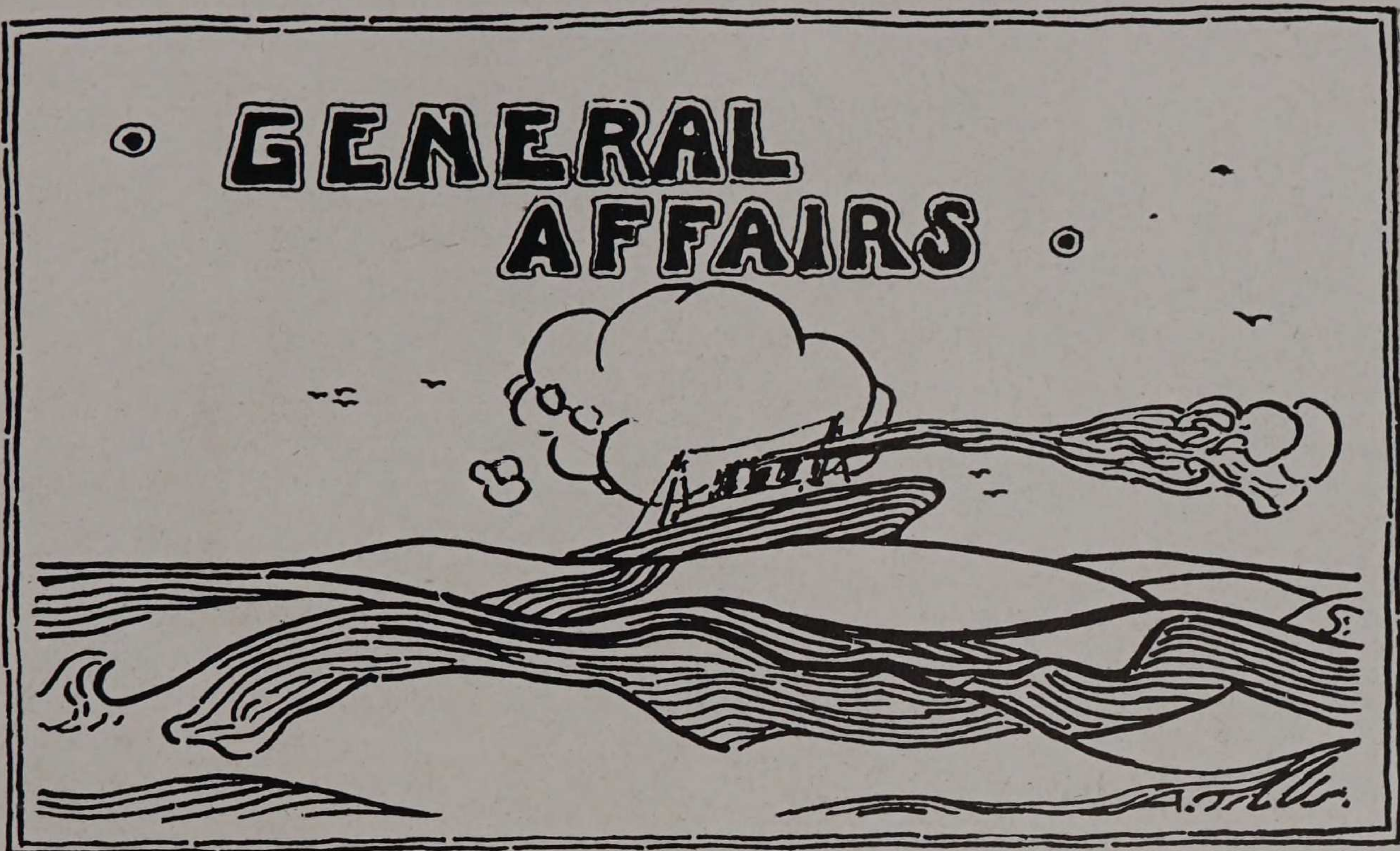
SWITCHBOARD IN ENGINE ROOM





THE ARMOUR MISSION





When the call for Reserves of the U. S. Army was given, the Cycle staff was left without its editor-in-chief. Although a great part of the work had been completed, the responsibility of publishing the 1917 Cycle was left to the managing editor.

The editor wishes to express his most hearty appreciation for the effort and sacrifices of the managing editor, not only [in this emergency, but thruout the editing of the book.



# Institute Calendar

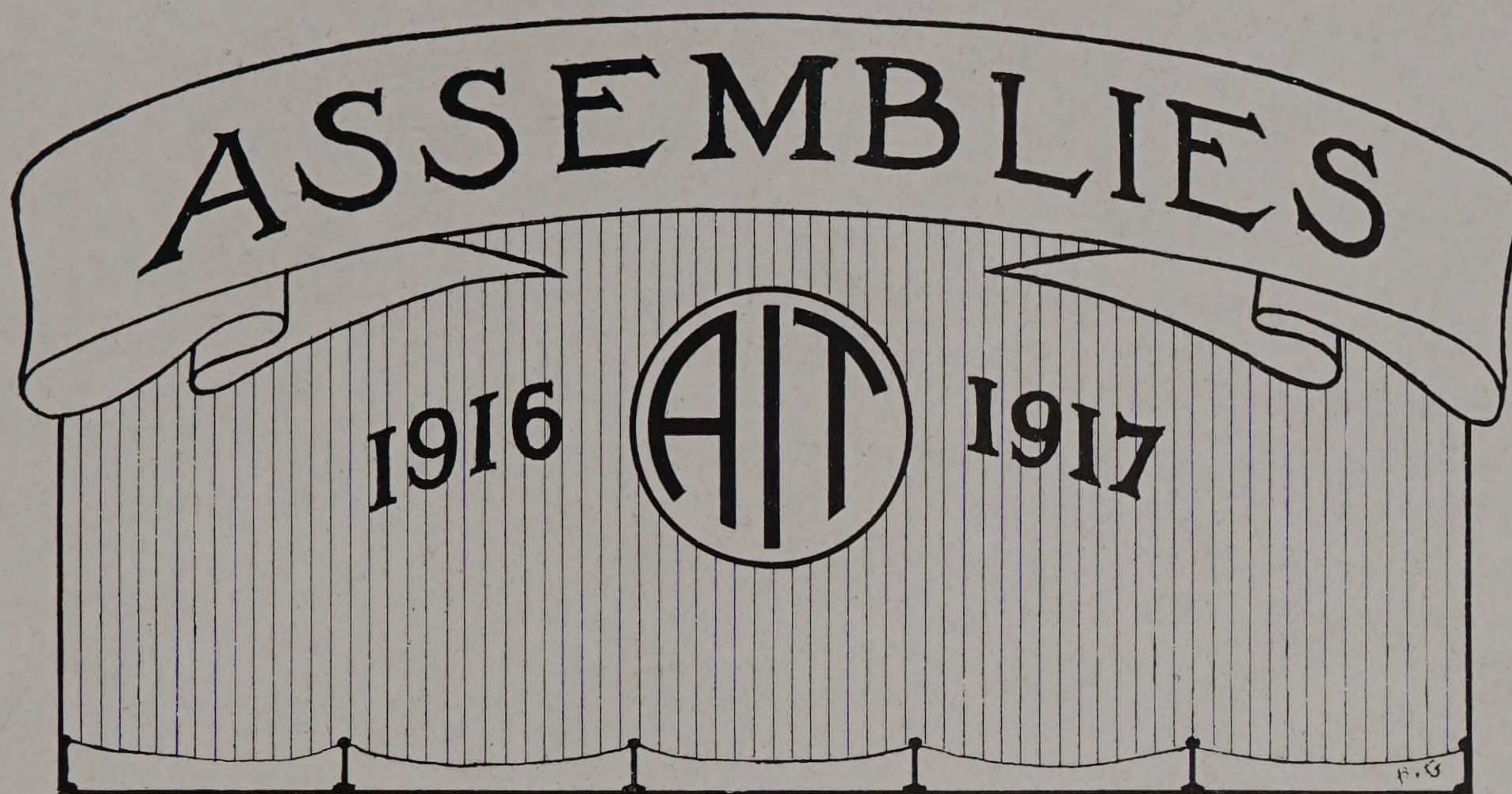
1916.

June 8	Thursday . . . .	Entrance Examinations
June 26	Monday . . . .	SUMMER SESSION BEGINS.
August 4	Friday . . . .	SUMMER SESSION ENDS.
September 7	Thursday . . . .	Entrance Examinations.
September 11	Monday . . . .	FIRST SEMESTER OF THE COLLEGE YEAR 1916-1917 BEGINS; REGISTRATION DAY.
October 2	Monday . . . .	EVENING CLASSES (FIRST TERM) BEGIN.
November 30 and Dec. 1	Thursday and Friday	THANKSGIVING HOLIDAYS.
December 8	Friday . . . .	EVENING CLASSES (FIRST TERM) END.
December 11	Monday . . . .	EVENING CLASSES (SECOND TERM) BEGIN.
Dec, 25, 1916, to January 6, 1917, inclusive		MIDWINTER RECESS.

1917.

January 27	Saturday . . . .	FIRST SEMESTER ENDS.
January 29	Monday . . . .	SECOND SEMESTER BEGINS.
February 12	Monday . . . .	Lincoln's Birthday, a Holiday.
February 22	Thursday . . . .	Washington's Birthday, a Holiday.
March 2	Friday . . . .	EVENING CLASSES (SECOND TERM) END.
March 5	Monday . . . .	EVENING CLASSES (THIRD TERM) BEGINS.
April 6	Friday . . . .	Good Friday, a Holiday.
May 11	Friday . . . .	EVENING CLASSES (THIRD TERM) END.
May 27	Sunday . . . .	Baccalaureate Sermon.
May 31	Thursday . . . .	Commencement Exercises.
June 2	Saturday . . . .	SECOND SEMESTER ENDS.
June 7	Thursday . . . .	Entrance Examinations
June 25	Monday . . . .	SUMMER SESSION BEGINS.
August 3	Friday . . . .	SUMMER SESSION ENDS.
September 6	Thursday . . . .	Entrance Examinations.
September 10	Monday . . . .	FIRST SEMESTER OF THE COLLEGE YEAR 1917-1918 BEGINS; REGISTRATION DAY.





## Assemblies Held During 1916-1917

October 12, 1916.

Musical Recital given by  
Mr. Daniel Beddoe, Chicago.  
Mr. Daniel Protheroe, Chicago.  
Reading given by  
Mr. Benjamin Scovill, Chicago.

March 21, 1917.

Lessons from an "Eastern Battlefield," and illustrated archaeological lecture.  
Given by Dr. Gunsaulus.

April 11, 1917.

An assembly at which the student body was addressed by Col. Foreman, National Guard; Col. Winston, Engineers Corps, U. S. A.; Mr. Shappert, U. S. Navy; and our own Dean Monin.



# Day of the Engineer

MEN WHO DO THINGS WILL BE NEEDED

BY DR. FRANK CRANE

The man of the future will be the engineer.

He is the man who can do things; and is better than the man who owns things.

The millionaire is a temporary, passing, makeshift product of civilization. He is merely holding things together until the people get sense enough to do their own owning.

Some day little boys will read that the world once had millionaires and huge private wealth units, just as they will one day read and wonder that men once had kings. But the official who will forever be indispensable is the engineer.

The time will come when the President of the United States will be chosen as the man who has the greatest talent and skill in organizing public works. There will be no more politics in his selection than there is now in choosing the master mechanic of a railway or factory.

When a nation goes to war nowadays, that is, when it becomes necessary to exert its supreme collective strength, nobody dreams of electing the most popular politician or the cleverest speechmaker to lead the armies. It is the man who can get the last ounce of efficiency out of men and out of gunmetal that is wanted. Some day the nation will realize that it is continually in a crisis, and that in peace as in war we need the highest order of efficiency and organization.

We need the engineer to arrange the transportation of people, and goods from place to place, without waste, without competition, without graft.

We need the engineer to get meat, bread and milk from farm to citizen without the present inefficient tangle of trusts and middlemen.

We need the engineer to turn the profit of public enterprise toward building good roads and bridges, instead of enriching a few shrewd manipulators.

We need the engineer to manage the city as economically and smoothly as if it were a manufacturing plant.

We need the engineer to organize the farmers so that all can work together for each and their products marketed without being preyed upon at every step of the way from farm to household.

Wealth can be taken away from us. But the power to do things cannot be taken away.

*(Reprinted from Chicago "Daily News" with permission of the Author.)*



A red double-line circle is centered on the page, framing the text.

HUMOR







## HUMOR

# Humor

### A WARNING

Gentle reader, you are taking your fate, nay, your very existence, in your own hands at this moment, and far be it from us to urge you on. Yet, no matter what we can say here, the end is inevitable—your fate is sealed. You are about to enter the mysterious and sordidly unromantic realm of that relentless ruler, I. M. Funni. Take warning, and look before you leap, remember, there is no come-back. Of course you can hunt us out tomorrow and give us heck, but the thing is here in black and white and may not be eradicated. Therefore, consider our apologies made.

This being the case, it merely remains for us to confess that the following fifty pages (whoa, Nell, don't get scared!) comprise the best little department of original wit to be found south of the river. If in any case you fail to see the point, don't lay the blame on Ye Ed, because without doubt it is due to your own mental incompatibility and the extreme density of your cranium. Having successfully digested the preceding ratiocinating dissertation, you may now proceed with our hearty commiseration.

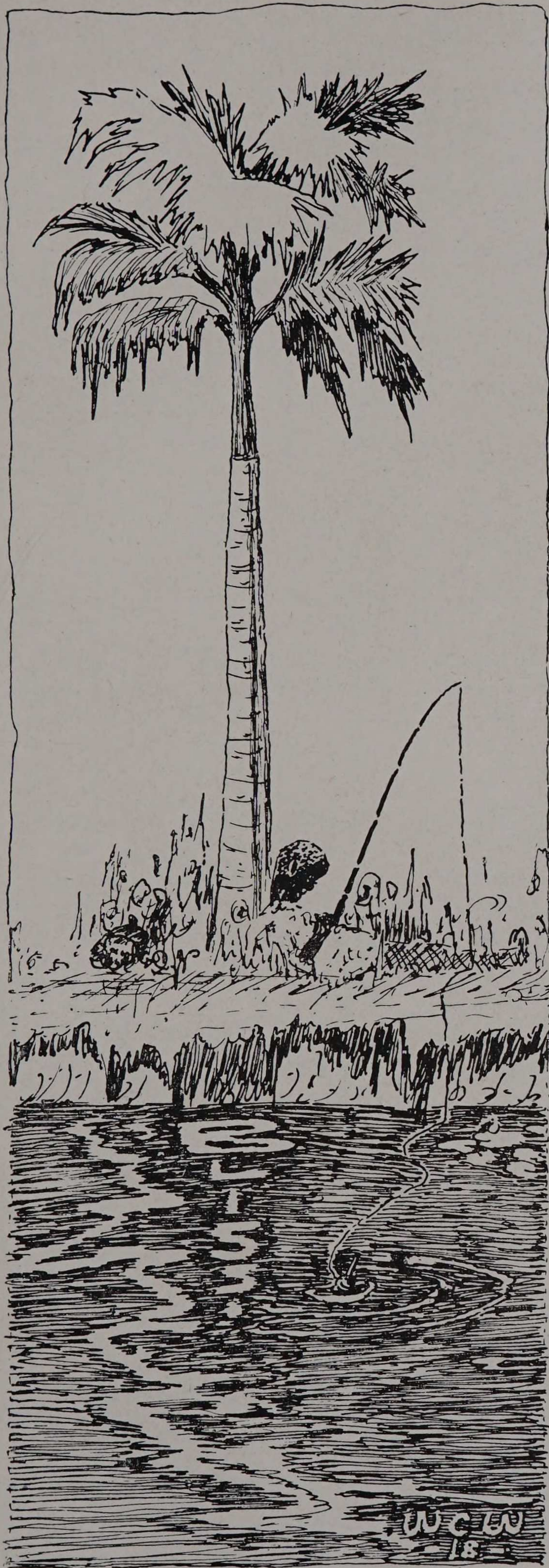


## HUMOR

### Dedication

This collection of sheer idiocy is respectfully and apologetically dedicated to the funniest man at Armour. Knowing the extremes of his distempers, however, we will refrain from mentioning his name. Safety first! without doubt you know him, and if you don't it's, as he says, your misfortune.





## A Guilty Conscience

Beneath a slender cocoa palm  
A negro lay at ease;  
Beside him rose a fishing rod,  
A bait can 'twixt his knees.  
He dreamt of dear old Ireland,  
That country brave and free,  
And wished with all his heart  
That he were far across the sea.

While thus his thoughts were roaming  
On that lovely Emerald Isle,  
He felt a tug, and woke to find  
He'd hooked a crocodile.  
The crocodile was peeved a bit,  
As anyone could see;  
The nigger soon observed this fact,  
And hid him up a tree.

The reptile rose in boiling rage  
And spread his wings to fly;  
This may seem strange, but really, dear,  
I wouldn't tell a lie.  
He soared above the palm tree far,  
And wheeled like any hawk,  
Then opening his ugly throat  
He squeaked a wicked squawk.

He shook the rattles on his tail,  
And sang in fiendish glee,  
As gracefully he swooped toward  
The nigger in the tree.  
Once more he spread his jaws apart,  
And gobbled down the coon,  
Who thought it was an awful shame  
That he should die so soon.

As darkness closed above his head,  
The darky woke again,  
And found he'd tumbled in the creek,  
Which soaked him to the skin.  
And now in grim reality,  
This time 'twas no delusion,  
An ugly brute was just about  
To jump at his conclusion.

He scrambled out with muffled shout,  
His face was almost pasty;  
He grabbed his rod and can of bait  
And left with footsteps hasty.  
Then running to the cornfield,  
Where he should have been before,  
He swore by seven orange cats  
He'd shirk his work no more.

Moral: Don't fish with a guilty conscience.

W. C. W.



HUMOR

You can call a girl a vision, BUT—be careful when you refer to her as a sight.

He saw her stepping from the car  
And up to her he sped;  
“May I not help you to alight?”  
“I do not smoke,” she said.

“No,” said she, “I—I can only be a sister to you.”  
“Very well,” said he. “I must be going. I had expected a different answer from you, but—well, good night!”  
“George,” she faltered, as he started out into the night, “George!”  
“What is it?” he asked, very crossly.  
“Aren’t you going to kiss your sister good night?” He did not go then.

“Have you an opening for me?”  
“Yes, right behind you.”

Professor Reed: “Ah what have you done on your esquisse?”  
Harry Maher: “Why, I don’t know, sir. Is it soiled?”

Our maxim: You can lead a fool to the trough of knowledge, but you cannot make him drink.

“Ah, love, I would like to listen to you all night,” said Everett, as he rose to go. Six months after they were married he stayed out fifteen minutes too long, and his desire was fully gratified.

“Well, I’m going to get married next week.”  
What will you live on—love?”  
“No, we’ll live on loves father.”

Said his wife to Podsnap, who staggered in at midnight, let the canary out of the cage, and hung his overcoat on the chandelier:

“Ignatius, where have you been?”  
“I have been to the Shin-Shin-Shin———”  
“Oh, some vaudeville show.”  
“No, not at all, m’dear. Thash wrong. I have been to the Shin-Sh-Shin-Shin-Shimphony Or———”  
“To the what?”  
“To the Shin-Sh-Shin-Shinnati Shimphony Orshershtra. Thash where I have been. To the Shin-Sh-Shin———”  
“But where on earth did you get the stutter?” asked his wife.  
“Gesh you don’t read the papersh, d’ye?”  
“What’s that got to do with it?”  
“Well, the papersh all shay that the Shi-Sh-Shinnati Shym-Shymphony Orshestra would play intoxicatin’ muschic, Ishabeller, an’ they did it, Ishabeller, they did it, b’gosh.”



## Hypernonsense

(With profound apologies to Claude F. Bragdon.)

It becomes my painful duty, gentle (?) reader, to scribble for your edification a few lines of projected foolishness. Now, in order to derive the full pleasure from this little visit to the 600 sided super-world, it will be necessary for you to dispell from your mind, if you have one, all previous impressions; to drop, as it were, from your shoulders the cloak of unbelief.

Assuming that your intellectual tablet is now a complete blank, I will endeavor to describe to you the agitation, the surprise, in fact the whole state of mind of a frankfurter, upon finding itself suddenly projected into the fourth dimension. How did it happen? Well, you will find the answer to that question in "The Accidents of A Mathematical Life," written by ME, edited by ME, and published by—ME.

To return to our frankfurt, we find that it has undergone a physical as well as a moral change due to its movement. It no longer resembles the common, or garden variety of "Hamburg in tights," but now partakes of the nature of the Super-sausage described in my "Tales of a Tesseract," Vol. I. If possible, imagine yourself in the position of this poor purp, sitting on one end in the midst of a group of assorted phenomena. A half turn to the left will reveal to your anxious gaze an ambiguous onion, lazily basking in the sunlight and chewing its cud. This sight alone would be sufficient to unbalance the mind of a rational person, but in your case there is no danger, so we will continue.

A few hyper-squares away may be seen a group of infuriated tesseracts, courageously defending their young from the attacks of a starved oyster. In matters of the heart these are truly the most ferocious beasts imaginable, so with shivers of apprehension we will turn from this awful sight. Br-r-r-r!

But what is this toothsome looking object on our immediate left? It is a magnificent specimen of the genus citrus brownam, better known, perhaps, as a toasted orange. This seems to be a very young specimen, but nevertheless a close observer could detect a striking facial resemblance to our old friend and classmate Quinn. Our suspicions are confirmed when the strains of "So Long Letty" are wafted to our ears on the breeze.

A strange shadow suddenly obscures the light, and raising our eyes we behold a flock of flying oysters grazing on the hyper-planet. Their numbers are momentarily increasing, so that soon the scene will be in total darkness. We will therefore take one more last lingering look at the curious assembly and resign ourselves to the abysmal darkness peculiar to the mathematical night, while we await with a heavy heart the awful events which we feel certain are about to take place.

If you have carefully followed this learned dissertation, it must be apparent to you that what we started out to do was really a hopeless task. Therefore we will abandon hope of unravelling the thoughts which pervade the depths of our frankfurt's mind and leave it to its fate. Without doubt you have derived as much benefit from this article as the writer did listening to the originator of the tesseract, so we thank you for your charitable attention, and hope we have satisfied your fourth-dimensional appetite for some time to come.

W. C. W.



### Quatrain in Three Lines

Four lines are not needed,  
 So here's a simple clue—  
 We'll ask the summer question?—  
 — — — — — ?

### English As She Is Spoke

Wossatchoogot'  
 Afnoonnoos. Lassdition.  
 Enthinnut?  
 Naw. Nuthninnit 'cept lasspeechrosefelt's. Lottarot.  
 Donsayso? Wossawetherpreicshun?  
 Sesrain. Donbleevetho. Funthingswethernvbkintellwossgunnado.  
 'Sright. Well, slong, seeyuhseevnin.

She purchased a beautiful trousseau;  
 'Twas hasty and foolish to dousseau,  
 For the man she would wed  
 Has gone clean off his head;  
 That's why the poor maiden boohooseau.

Sheza Peach: "Jack called last evening."  
 I. M. Chellis: "Huh! Don't see how you survived. I suppose he talked about something idiotical all the time?"  
 S. P.: "Well, yes, I believe he did mention you quite often."

Gus (calling the roll): "One."  
 Answer: "Here."  
 Gus: "Two?"  
 Ans.: "Here."  
 Gus: "Three?"  
 Etc.

'Sa fine system, saves much confusion and gives certain parties great mental training in remembering more than one number at a time.

There was a young chicken named Alice  
 Whose hands never boasted a callous;  
 But she never could marry  
 You, Tom, Dick, or Harry,  
 Because she must live in a palace.



## In Which We Eat

When Greek meets Greek almost anything is likely to happen, but when Greek meets Roman—we have it on the assurance of the Architectural Department—good things to eat are the inevitable result.

For on Saturday afternoon, December the 16th, Pericles Grammas, acting in collaboration with Armand Monaco, set before thirty-two hungry architects such a feed as would make the mouth of a 42 centimeter gun water in anticipation. Roast lamb cooked by Grammas and seven pounds of spaghetti embroidered and prepared by Monaco, were the features of the bill of fare; and in addition we had French bread, onions, cheese, coffee, cigars, and *other* things.

Amidst the popping of corks and the pleasant wreathing smoke of thirty-two light hearted Havannas we listened to a brief talk from each and every one of the thirty-two who were present. That eminent toast-master, Royal A. Chappell acted in the capacity of master-of-ceremonies, while his worthy efforts were ably seconded by Harry Maher, the Irish minstrel.

A rising vote of appreciation was tendered Pericles and Monnie after which we all had just one more (onion) and then we all—went—home.



—ANY WINDY DAY—



## Joys of Life

Working on the Cycle until twelve p.m., having the lights go out, discovering the door locked and no matches in your pockets; feeling around for five minutes for coat, hat, dummy, etc., then tumbling over a chair and having all to do over again; then leaving by the fire escape and having a police call raised which takes half an hour to explain. Oh, yes, 'snice.

There was a young lady named Peg,  
Who said "Food I must borrow or beg,  
"For I surely will die  
Without beefsteak or pie;  
It's a year since I've eaten an egg."

## Sayings of Well Known Architects

It's a Hoopy Dooper.  
He shakes a wicked foot.  
I'm in bad sape. Sould say so.  
Well, goldarn!  
I've got the Red.  
Over at the CLUB—  
Well, by gol, get that mug outa here!  
Oh, shay, shimplify shacreligioush.  
Horse on you, Glube.  
I'm graduated.  
He's got a breath like the back of a hack.  
Let's go see a burlap show.  
Good thing you had your mouth open.  
Hello, Jawk!  
We'll all chip in, and youskip over to Henry's.  
Oh, zee leetle Walrus!

And while we're on the subject:  
The love of some women is most touching.

"I see your new butler is most careful of the wine."  
"Yes, he carries it around with him most of the time."



## A Mathematical Misinterpretation of Matrimony

The author of this article wishes to set before his fellow students and their friends the results of an astonishing discovery that it has been his privilege to make. This discovery has been the means of unravelling, to some extent, a mystery which has been delved into from time immemorial by millions upon millions of men in all walks of life. Rich and poor, great and small, Christian and Heathen, wise and otherwise, have all pondered upon the hidden secrets of this great connundrum, yet none, until now, has been able to perceive anything beneath the superficial with regard to it. The mystery referred to is, as you may have guessed, matrimony.

The question now presents itself to you, no doubt, "How can one of his tender years and little experience know so much of such a subject?" Truly, I cannot speak from experience, and my observations have been limited to those incident to living with a married couple for the greater part of thirty years. Yet thirty years is far too short a time to learn anything definite about matrimony even if spent in the married state.

However, the seemingly impossible has been accomplished. I do not wish to appear to brag about my discovery, because I have come upon it all too easily. Scientists have given their lives for far less than this. Few have been so favored as I. Even Isaac Newton, who discovered the law of gravitation, was permitted to do so only after he had suffered the pain of being hit upon the head by a falling apple. It really does not seem fair that I should have been permitted to discover anything concerning matrimony without having been exposed to it.

The discovery has been revealed to me by the application of Mathematics to the problem. You are all well aware of what it means to apply Mathematics to a problem. It means that the conclusions at which you arrive are incontestible. Mathematics is an exact science, and figures do not lie.

Your attention is respectfully called to the more or less well known proposition that, under certain considerations, two are equal to one.

Let $X = A$	
Multiply by $A$	$AX = A^2$
Subtract $X^2$ from each side	$AX - X^2 = A^2 - X^2$
Factor	$X(A - X) = (A + X)(A - X)$
Divide by $A - X$	$X = A + X$

Now let us take a man, and denote him by "A," and a woman, and denote her by "X," and let us "join them mathematically," by the foregoing reasoning. The application is a perfectly rational one, because when a man and woman allow themselves to be joined in matrimony, they believe that they are absolutely equal, and therefore  $X = A$  is correct. Of course the man tells the woman that she is away above him, and he is not worthy of her, etc., but he never means a word of it; if he did, he would be afraid to marry her for fear she would leave him at the first opportunity; and if the woman really thought that she was greater than the man, she would be reasonable about it. Now, it is demonstrated above that if  $X$  and

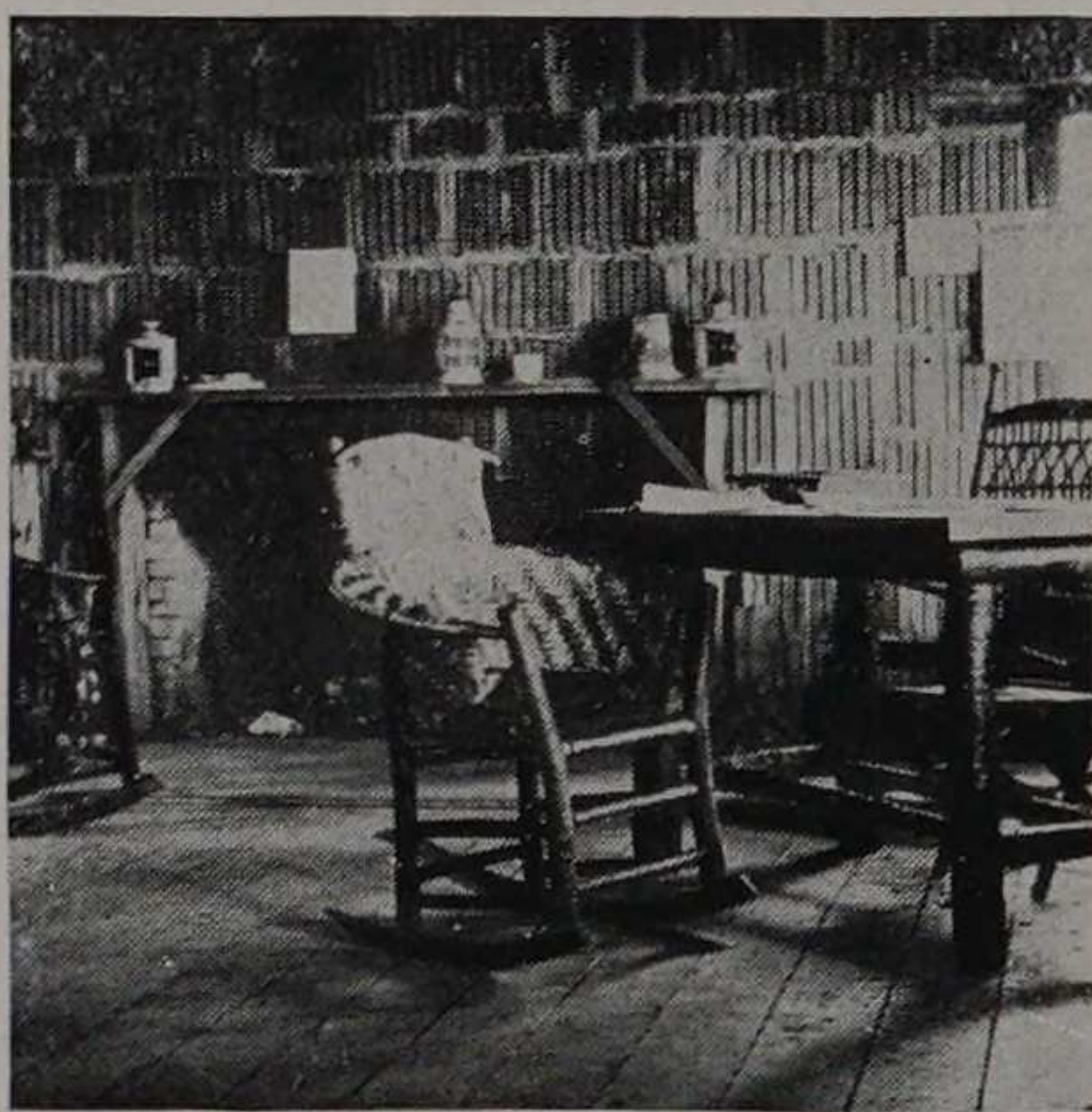


## HUMOR

$A$  separately are equal to each other,  $X$  and  $A$  added or joined together are equivalent to  $X$  alone. But it is very easy to see that  $X$  and  $A$  together cannot be equal to  $X$  unless  $A$  is equal to zero. The complete analogy to matrimony is now evident. When a man and woman are joined together in holy matrimony, the two are made one, and it is always the man that becomes insignificant; and any honest married professor of Mathematics will tell you that this is true. The only way a man can get the best of his wife is by beating her, and if he beats her he is nothing anyway. But this is not the significance of the analogy.

In the mathematical demonstration above, in order to obtain  $X = A + X$  both sides of an equation were divided by  $A - X$ . But if  $X = A$ , dividing by  $A - X$  is the same as dividing by zero. It is to be remembered that a definite answer cannot be obtained by dividing anything by zero, and for this reason the demonstration is not a rigorous one.  $A + X$  is equal to  $X$  only on condition that it is agreed that the equation can be divided by zero, or that the equation can be "divided by nothing." And thereby is a great secret divulged. You know that there is in the marriage ceremony a phrase: "What God has joined together let no man put asunder," and now, with the aid of mathematics, we are able to see why this phrase was introduced. It was meant to convey the idea to the man and woman that "nothing can divide them." And they live happily ever afterward, she running things, and he perfectly content with his insignificance as long as he agrees that "nothing can divide them."

Editor's note: We feel that the Armour Institute of Technology ought to be here publicly absolved from all blame for putting such nonsense into anyone's head. The Institute evidently has, however, failed to deter the feeble mind that conceived this rot from its course toward premature decrepitude.





HUMOR

The crop of Freshmen was even more verdant than usual this year. Several have been observed who catch cold if their finger nails are trimmed too close.

Pa: "Had a note from your teacher today, Willie."

Willie: "That's all right, Pa; I'll keep it dark."

Harry M— came in quite early the other morning, and, failing to find his customary egg in the cuckoo clock, entered into a violent quarrel with the hat rack. His wife called downstairs,

"What's the matter, Harry?"

"I'll teach them goldfish to snap at me!" was his reply.

There was a young hunter of geese,  
Who was caught by the city police;  
They put him in jail  
Without any bail,  
And charged him with breaking the peace.

However, he got out through his friend Hinky Dink, and is now a successful insulting engineer on Clark St.

Everett went into Schulte's the other day to get a cigar, and some boob stepped on his fingers.

At the Atelier Initiation:

Q.: "Is there any ice here?"

A.: "No, we don't serve hard drinks."

A well known doctor prescribed a dozen blotters for a patient who had swallowed a bottle of ink by accident. Absorbing case, wasn't it?

Junior Arch.: "There is hardly any antesis on that column."

Frosh.: "Oh! Uh-huh, thought there was sumpin wrong wif it."

Peg: "Molly told me that you told her that secret I told you not to tell her."

Kitty: "Oh, isn't she the mean thing? Why, I told her not to tell you I told her."

Peg: "Well, I told her I wouldn't tell you, so don't tell her I did."

He's a close friend of yours, isn't he?

I should say he is. He won't even lend me ten bucks.

"Come in and have something, Humps."

"No, thank you. I had a drink not six months ago."



## A Chemical Inspection Trip

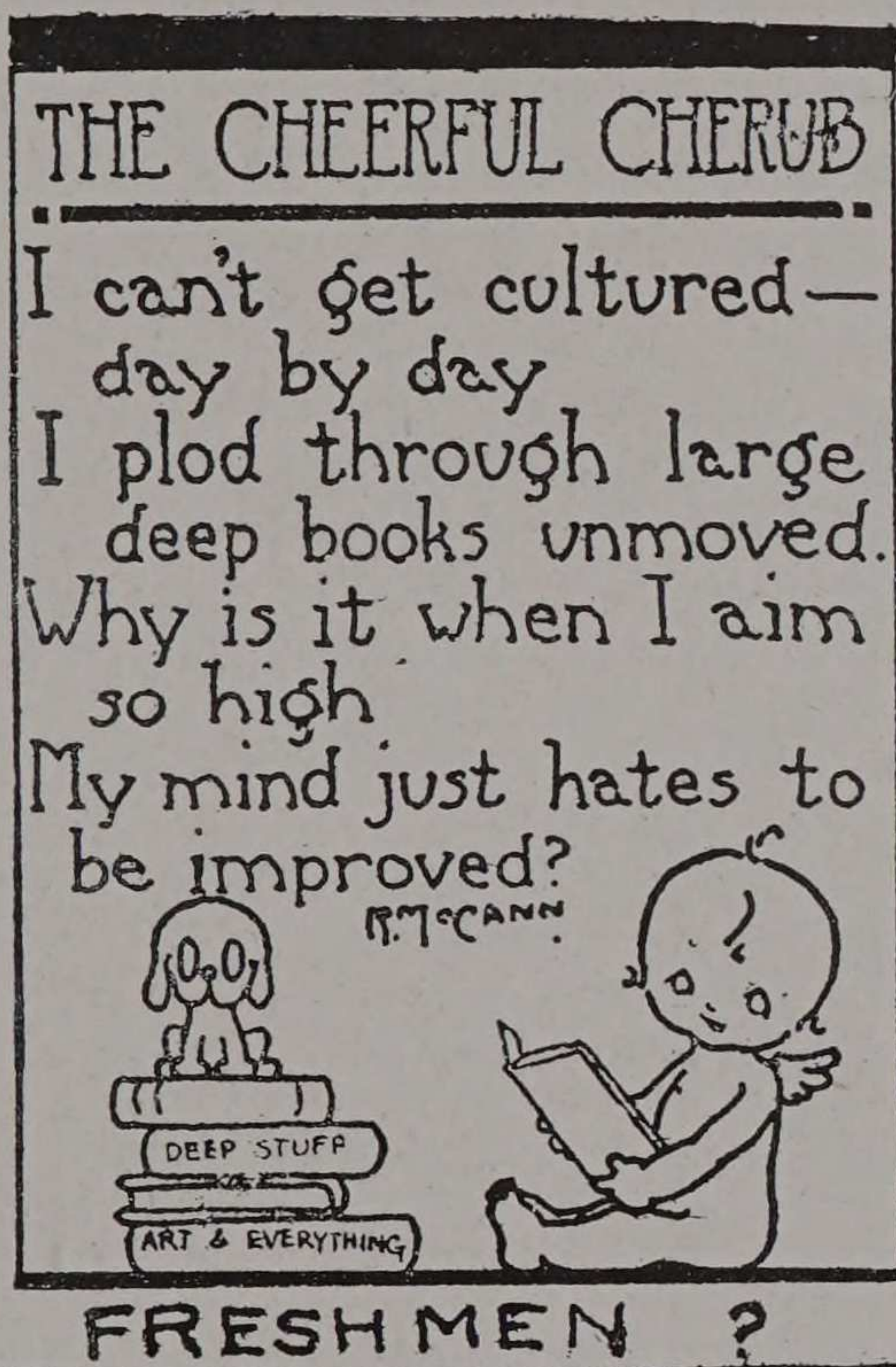
We've seen them make H-N-O three,  
We've seen the white lead industry,  
We've seen them making Paris green,  
We've seen them crank for gasoline,  
We saw the stills for glycerine,  
We saw the naphthalene.  
We've seen and smelt boiling dope—  
Crunching and graining to give us soap  
We've been out north where bricks are made,  
We think we know the foundry trade,  
We've seen them turn out rails and bars,  
Shrinking tires for wheels of cars,  
We've seen them blow converters for steel,  
Could tell wrought iron by look or feel,  
We've seen both open-hearth and blast,  
Iron in pigs and iron that's cast,  
We've seen them diffusing beets for the sweets,  
Making cements and reenforcing concretes  
We've seen them steeping iron by the tons,  
Then watch the stuff pass over the runs.  
The finish starch was white and fine,  
Fit for our meals or the wash on the line,  
We've seen them desilverising some lead,  
Cupolling the button until it was "dead."  
We've seen producers of "juice" and gas,  
Steam power plants that were certainly class,  
But all of the wonders mentioned before,  
Are nothing compared to what was in store  
When the "Chemicals" went to the home of the brew  
With Long John Schommer and the rest of the crew—  
Schoehoefen's the place—or if your not wise  
The home of the beverage called Edelweiss,  
The sight of the kettles was tame—  
We expected all these before we came,  
The room full of hops was a heavenly spot,  
It was "raining" beer, where it cooled from the pot,  
The bottling and labeling was a wonderful sight,  
As mechanically right as science could bring,



HUMOR

The end of the tour was the acme of all,  
Call it beer garden or dining hall.  
We sampled the brew and found it O. K.  
So they refilled our glasses with little to say,  
Sandwiches of ham and egg and cheese,  
Quartered dill pickels—as much as you please,  
Then came cigars of aroma rare—  
Some took then “home,” some smoked them there,  
Enough to say this trip was the best,  
Will long be remembered by me and the rest.

HANKAN, '17.



The “Notes”

(Apologies to R-y-d K-l-g.)

“’Oo is it makes that bloomin’ noise?”  
Asked Files-on-parade.  
“It’s counsel’s openin’ argument,”  
The color sergeant said.  
“’Oo ’as to ’ear the bloomin’ stuff?”  
Asked Files-on-parade.  
“The chief and his two hired men.”  
The color sergeant said.

“For he doesn’t know his law, he misrepresents the facts;  
His reason is so faulty you can see through all the cracks.  
And he’s pretty sure to get it where the chicken got the axe,  
When the court pronounces sentence in the morning.”



## Japanese Boy===Furnace Taker=Care=Of

One cold daytimes are Hon. Jap-boy much dishcouraged by unpresence of anything in pocket of pants. Hearing hon. fat Irishwoman landlady elevating up stairs, I arise up quickly and exit out window in fast rush. Hon. fire-excape are nice furniture on house-wall, so Jap-boy are unable to slowly mingle through alley with great speed.

I then scramble gracefully down street to find some lost jobs. Success, moreover, are absent. "Do no-one want to employment me?" I ask myself. But there are no answer, so hurrying slowly past news-boy paper-stand without boy, I grab paper and leave soon.

I quickly turn to male-men-wanted-for-help page, which are soon overlooked. Many jobs are there for button-sewer-ons in factorys, and firemen etc. and so forth, but I am disgust. None are for me. But sudden I see a sign on nearby fashionable barn:—

"Man wanted to take care of furnace."

Furnace are new thing to Hon. Jap boy, but for several reasons all of which are the same, I put down curiousness and ring bell. Thinnish highbrow-looking butler open Hon. door, and I yoller softly:—

"Please to enquire, where the furnaceman jobs to get."

He sniggle "Ha, ha," in my face, but I fail to see wits, having only last Sunday liver in stomach.

Please to beg pardon," I haggle, "Where are Hon. Missus?" He then take me to her with much impolishness, and I ax her for job in serious haste.

"Are you experience?" she arbitrate.

"Sure I renig in American," if pay are attached to job."

"Well," she snips, "Jimes, shom his jooties," and hang her double-eye-glass-with-handle on shoulder. of kimona. Hon. butler escape me carefully down back stairs, landing me on end of tail among many ashes.

"Firstly, please to sift these ashes," inform fishface-with-hairbunch-on-end-of-cheek." Then put draft on for an hour, after which remove off and place on check."

This are all strange news to poor Jap-boy, but I snaggle back, "All right, Jimes. "This do not seem to please Hon. Butler, but he retreats away, and I are left alone with me. So, quickly starting fast business of ashes-sifting I make much dust in place.

"Heah, heah!" soon yollah missus down. "Go to alley for sifting ashes idjit." I must go to alley, where soon ashes are all sifted. Then I remind myself of draft, so I open back door and stand for some whiles in shiv. All at once Hon. missus jump down, almost knocking me nearly one-half-way over with scare, and snarl:—

"Say, darn-fool Jap! You freeze my both feet off with cold! For why are door open?"

"Hon. Jimes have told me to put on draft," I renig, but she know almost nothing, and BANG! goes door. Next I assure to put on check, so ascending up stairs I take smallest check in desk of Hon misses and presume to put it on fire. She are still standing near beside me, and while reading "\$53.40" she fall unconscious, and hollah, "Jimes, help! Help!"

Jimes are already there, moreover, and next thing poor Jap-boy finds himself all outside in gracefu<sup>l</sup> bunch around alley.

"Are that house some of Dunning," I quest, but no one are there to hear, so Hon. Jap-boy are once more out of job with no pay.

Hoping you are the same, I remain

NOGI HIRO  
per W. C. W., '18.

(With much apologies to Hashmura Togo.)



HUMOR

Prof Doubt: "What did Carnot do?"

Student: "He was the first editor of the Cycle."

There was a young man from Armour  
Who origin'lly was a farmour  
A card full of E's  
Made him weak in the knees  
So he went and jumped in the harbour.

A package containing Erickson's drawings was turned in at the Dean's office with the following note: Found on the "L" platform by another Swede.

Someone: "What's  $\Theta$  in this formula?"

Hullinger: "I don't know; it's all Greek to me."

W. G.: "Stop snoring, Friedman, you'll wake Weston."

*Logic*

Prof. Wilcox: "The fact that a man has a boil on his neck does not prove that he is full of puss."

Klever Kid: "Yea."

W. G. S.: "There will be no class tomorrow on account of Birthington's Wash-day, so Friday I'll give a quiz on steel, and bronze, and those other doggone things."

Prof.: "Derive the formula for HP in Watts."

Bright Student: "Take the year Columbus discovered American and divide by two."

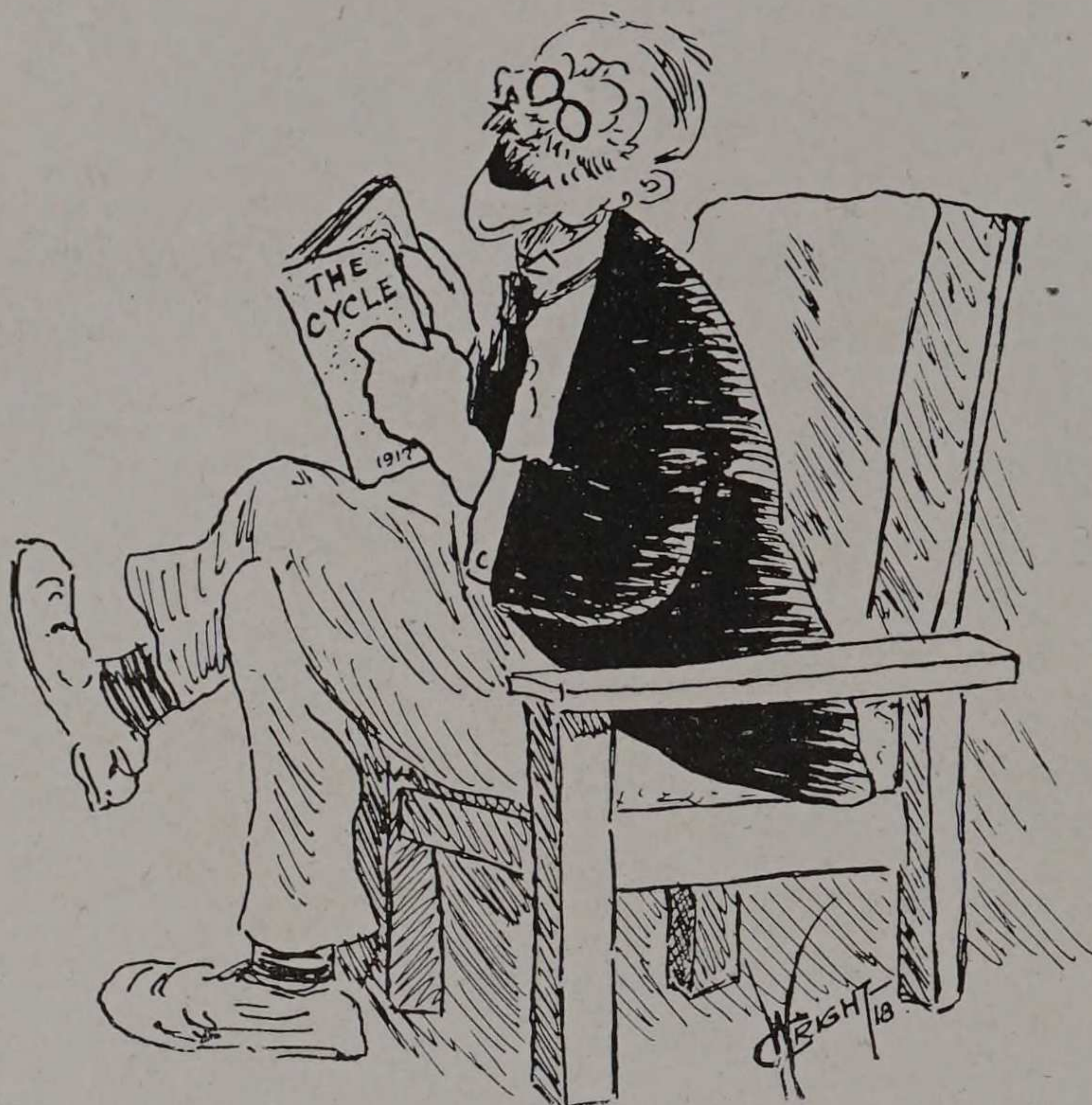
Rosenberg: "Can you imagine a fellow who takes five years to go thru school?"

Rusk: "Well, I'm not thru yet."





## Ohms, The Defective



I finished my last chapter of Gullible's Travels and closed the book with a bang, which seemed to startle Ohms, who was unusually nervous this evening. He had not said a word in all the time I had been back from supper; merely smoked his pipe which had by now quite filled the room with smoke.

"Come, my dear fellow!" I implored. "What has come over you this night, that you are so sober?"

"The saloons are closed to-day," he replied.

"You do not get my drift—I mean why the gloom? You sit there like your grandsire cut in alabaster."

"On the other hand, Hotsun, I am quite active, although my movements, I will confess, would not portray that fact. While you were out to supper I had a visitor, a professor of mathematics from Armour Institute, who has brought to me, I will admit, a most perplexing problem."

"A problem in mathematics?" I queried. "I was very good in that study in college."

"Wrong again," Ohms answered in his decisive manner; however, it has to do with a problem in Calculus. It seems that two quiz papers which our client was marking bear a striking resemblance to each other.

"And what are your clews?" I asked.

"I have several in the rough, but one which stands out most foremost you will soon know as I hear my client now on the walk below."

The bell rang and Ohms went to the door. "Come in," he said briefly. A tall middle aged man entered, carrying what I first thought to be a cane, but what turned out to be a very fine new mashie.

"I see you are a devotee of golf," ventured Ohms.

"How could you have guessed it?" quizzed our surprised client.

"Wonderful!" I wonderfuled.

"Trim me at golf and you pass the course," I tell my students," he said further, "but the quiz papers. Have you any deductions?"

"I have one question to ask," replied Ohms.

"How far from each other did these fellows sit?"

"They sat next to each other, sir."

"As I thought. The rest is simple. My good man, these fellows copied."

"Impossible," I impossibled.

"I never thought of that," said our client, much pleased at the wonderful deduction. "That is all I want to know. Now, what will be your fees?"

"A new Colonel 31."



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HUMOR

### Metallurgy

An orator is silver tongued or golden mouthed. An explorer is bronzed by African suns. A resolute chap is iron willed. A sluggard moves with leaden feet. An ostrich has a copper lined stomach. A millionaire has tin. A swindler is as slippery as quicksilver. A borrower has brass.

### War-Babies

I remember, I remember,  
The house where I was shorn;  
The hallowed place where little lambs  
Came peeping in at morn.  
The playful bears and friendly bulls  
Who wisely counseled me,  
And where I bought at eighty-eight  
And sold at twenty-three.

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Cowles: "I had the unanimous decision of the judges on my poster."

Thomsen: "Is that so? That's good. Did anyone else compete?"

Visitor: "Oh, is this the Cycle Room? It looks more like a cyclone room."

Student: "Would you please inform me as to nature of soap bark?"

Professor Freud: "Why yes. It's the bark off a soap tree."

"I thought they weren't going to get married until autumn?"

"Yes, but they changed their minds. You see, they heard of a servant who was out of a place, and they wanted to secure her."

"Cowles has an awful time with his new car, doesn't he?"

"Yes, every time he repairs it he has a lot of parts left over that he can't find a place for."



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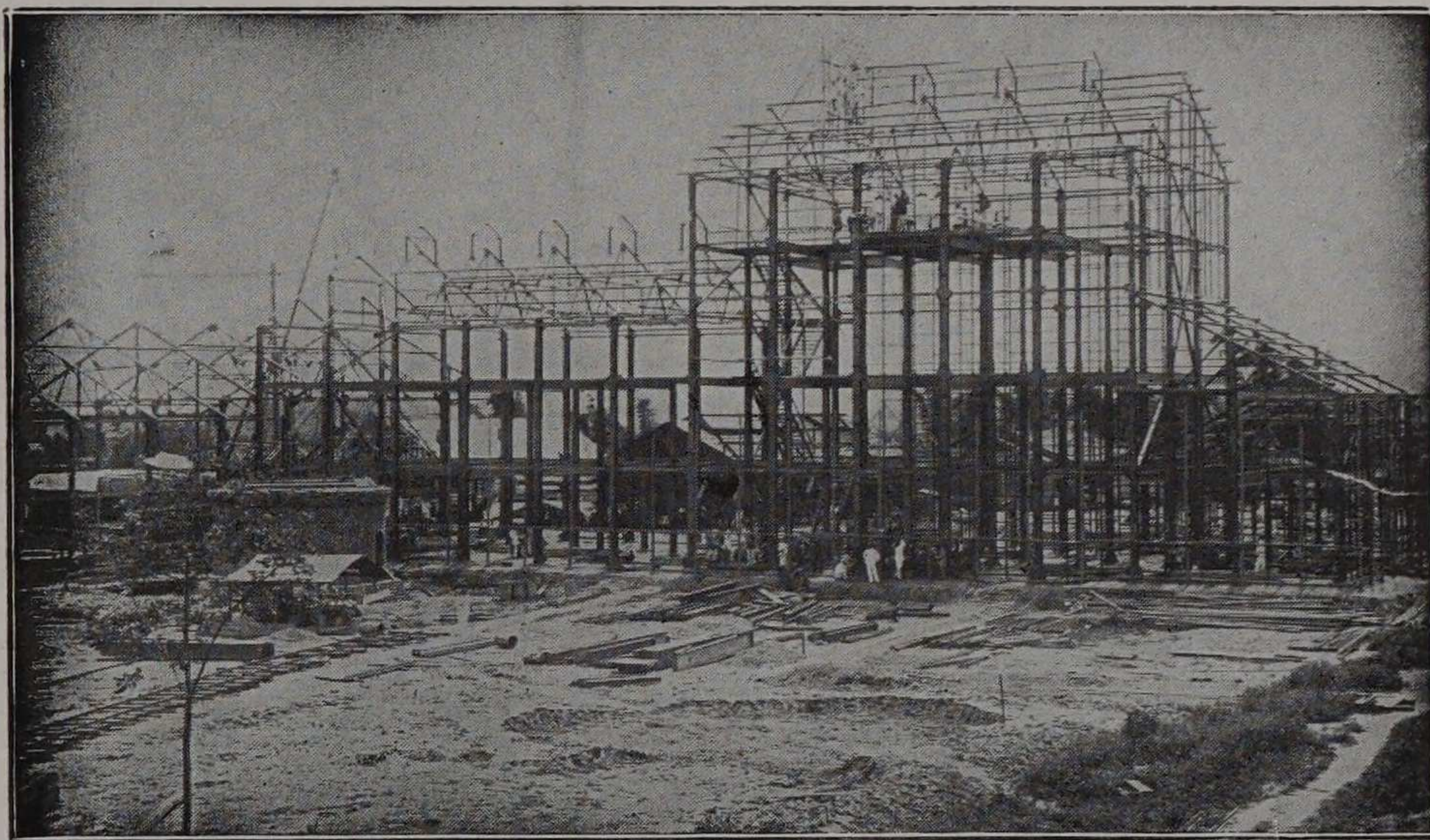
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## Tech Locals

Many of the boys are taking advantage of these fine spring evenings and have been seen strolling on the campus with some of our more popular co-eds.

The Junior Class were the guests of Dean Monin last Wednesday. He gave a very enjoyable talk on Economics and the class as a whole felt much refreshed for going.

Bruce allowed he could hit the horsehide at a .400 clip the other day as he saw a load of empty barrels going down 33d St.

Many improvements are under way at the institute. The latest addition is a fine new fire escape, thanks to the F. P. E. department.

We are glad to see that Vogdes is attending all his classes again. He was quite negligent for a time and it was feared by some that he would have Dr. Scherger after him for unexcused absences.

Wm. Eagle is spending much of his spare time in the library reading German chemistry. We don't know whether he knows what he's doing, but he puts up a durn good bluff if he doesn't.

There is a rumor about school that Shotwell called on a young lady last Friday evening. The rumor has not been confirmed at the present writing, however.



Of all sad words  
Of tongue or pen,  
The sadest are these:  
"I've flunked again."

Gettle sprig is odd the way  
Gettle sprig is cubbing;  
The birds are sigging blithe add gay  
Add by dose is rudding.



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## The Golfer's Defeat

(To be sung to the tune of "She's the Lass for me," with pathos.)

'Twas on a Saturday afternoon,  
 The sun was shinin' bright,  
 That I went out to Jackson Park  
 To defend my golfing right;  
 And there I met the faculty,  
 All three of them were there,  
 We teed our pills on number one,  
 And forward all did fare.

Right down the fairgreen, strange but true,  
 We all made wondrous drives,  
 And keeping up this deadly pace  
 We halved the first in fives.  
 Then teeing up with courage high  
 I slammed it with a will,  
 But though I scored a bogey five  
 Leigh's four was lower still.

So on the third, my joner hole,  
 We started full of hope,  
 But soon I sliced into the pit  
 And scored the same old dope.  
 Now rallying with desperate swing  
 I drove up to the hill,  
 And copped the hole with bogey four,  
 While Leigh was searching still.

I guess this must have been for me  
 The pride before a fall,  
 For right away I sliced into  
 The bush, and lost my ball.  
 Right then and there I started on  
 A slow but sure decline;  
 In fact he had me just four down  
 At the end of number nine.

I pulled a bogey on the next,  
 But Leigh shot "birdie" three;  
 Then both of us crossed the water hole  
 As neatly as could be.  
 On number twelve, as oft before,  
 My prospects shrank once more,  
 With this he had me dormie six,  
 And thirteen loomed before.

Although thirteen had often been  
 My lucky one before,  
 It took me all my time that day,  
 To halve it with a four.  
 So there I stood, defeated,  
 Six up and five to play,  
 And I had neither seen nor smelt  
 My handicap that day.

W. C. W.



*Wm. L. Koehne*  
OFFICIAL PHOTOGRAPHER FOR  
THE 1917 CYCLE

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## With the Chess Players

By Ring W. Lardner of the Chicago Tribune

The feature chess meet of the week was that held between Princeton University and the Armour Institute Tuesday night. Princeton was represented by A. Seckel and we bore the colors of Armour, whatever they are.

The game was an even thing for the first hour, not even a pawn being bumped off. During the second hour there was wholesale slaughter, which left us with five pawns, a knight and a bishop, and our opponent with a rook and five pawns, one of which had a clear field for a touch down which would have meant a reinstated queen and probable victory for the orange and black.

But you know Princeton; you remember what happened in this year's Yale game. A Yale man kicked off and the Princeton quarter back allowed the ball to fall undisturbed to Mother Earth while he pondered what play to call on the first scrimmage, serene in the belief, that as Yale was on the offside, the oval pigskin would remain where it was until he chose to pick it up.

A Yale man, however, had doubts about the blues being on the offside. So he brazenly raced down and clutched the ball to his bosom. Strangely enough, the referee agreed that he had a right to do that thing, and a very few moments later, Yale was kicking, or missing, a goal from touchdown.

Well, in this here chess game, in the last period of play, Princeton left its remaining rook unguarded in the very path of an Armour bishop, and the first thing you know, Mr. Rook got the hook.

The standing of the team is now: Armour: Won one; lost none. Princeton: Won none; lost one. And it will be a beautiful night in January before Armour agrees to a return match. We agree with the Germans—The time to quit, etc.



An Irishman had secured a job loading freight, and was on his last trip, with a three-hundred pound anvil under each arm. When he was half way across the gang-plank, it broke and he fell in. With great splashing he came to the surface.

"T'row me a rope!" he shouted, and again sank. A second time he rose.

"T'row me a rope, I say!" he shouted again. Once more he sank, and once more rose struggling to the surface.

"Say", he shouted, angrily, "if one o' you shpalpeens don't t'row me a rope, I'm goin' to drop one o' these dom tings!"



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## The Spinal Column

Wanted, the acquaintance of a young lady working in a spaghetti factory.  
Object—Macaroni.

German soldier after having both legs shot off laid down his arms.

Thirty Turkish Mosque's have been burned. Holy smokes.

General Nuisance had his left side shot off; after being in the hospital six months it is reported he is all right.

A British captain after being sent home with both legs and arms shot off was told by his wife to take his trunk and go.

Cross-eyed man was arrested in Paris as a spy. He was neutral, but looked crooked.

It is reported that the Irish have taken Green River.

At least once a day every man in the U. S. eat Navy beans.

How do you measure flux?

Count the lines of force.

### ARCH TECTS PROBLEM

Design of a six story bungalow.

Goof No. 1: "Why did you get a black triangle?"

Goof No. 2: "It does not show the dirt."

Goof No. 1: "Oh, I thought you liked the licorice flavor."

He: "What did you give me that dirty look for?"

She: "You've got a dirty look, but I didn't give it to you."

*Is it, or is it not, a delightful, delicious sensation,* When: Mechanics problems are not done for your 11:30 class and a lecture is announced for 10:30?

You're handing in your last Physics experiment—and Prof. Doubt hands you back eight unaccepted ones?

You buy a plate dinner for twenty cents at the beanery, you get to your table and then see what you bought for a meal?

Mr. Kelly calls you to the Dean's office and Dean Monin only wants your program card?

They call out the names of those who get valentines; and you don't get any—till the next hour?

You think you've made 95 in a quiz, and you have?

You can tell someone who doesn't know, "Oh, that jane? That's Elinor."

You've forgotten to draw curves, the experiment is accepted?

You are trying to study in electric lab., and Watt, Rosenberg, Benjamin, Stryker, Smith, Zimmerman, Kupshas, Given, etc., start to argue about a circle diagram?

You say "Hello" to someone in the library, and don't get caught?

You ask her for a kiss. She says, "No," and you have to take it?

You see them polishing the name plates on the fence of OGDEN field?

You are in a crowd, mostly girls and you look down and find you've left a button open—on your shoe?

She asks you to fasten on her skates?

You show some Prof. his mistake—and he shows you it is'nt one?



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HUMOR

Humor

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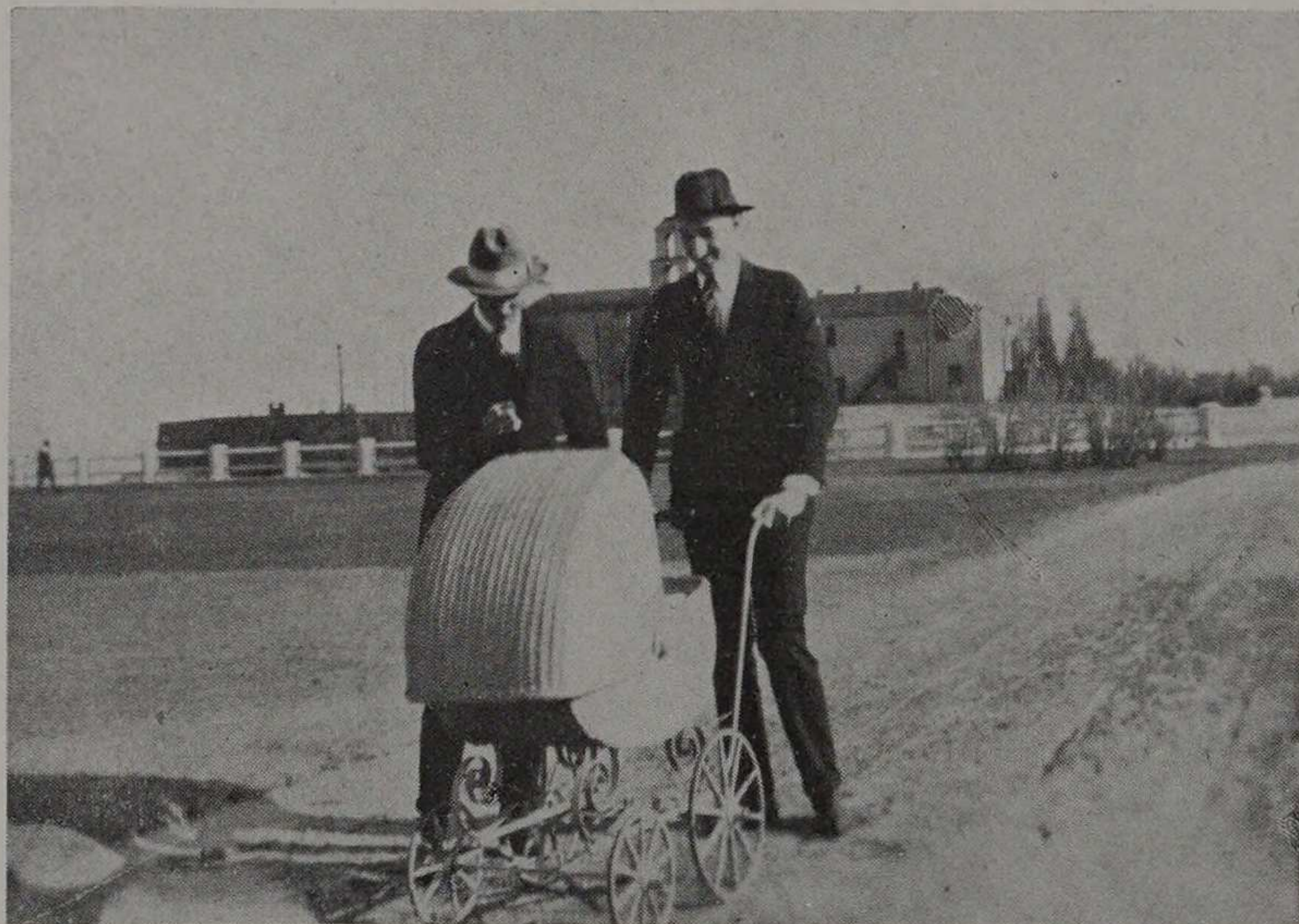
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(a) If the insured shall suffer from any one of the following sicknesses contracted during the term of this policy, viz: Typhoid Fever, Typhus Fever, Pneumonia, Pleurisy, Diphtheria, Diabetes, Appendicitis, Scarlet Fever, Small Pox, Peritonitis, Varioloid, Typhlitis, Erysipelas, Measles, Hepatitis, Brain Fever, Asiatic Cholera, Acute Cerebral Meningitis, Angina Pectoris, Cancer, Carbuncle Cerebral Apoplexy, Chicken Pox, Calculus — — — —. We might say right here to the Freshman that since this disease must be suffered for two years that it might be well to hold a Hardup policy

NOT AN ADV.

Knix: "Judging from Dean Monin's lecture this morning, he doesn't like to see us smoke cigarettes."

Blix: "Yes. Gee, I wonder what he'd say if he knew I took Spanish just so I could read the inscriptions on cigar boxes."



SEE "HARRY AND SHORTY" ON "PREPAREDNESS"

That long lean guy is H. B. Maguire,  
He's one of that bunch that protecteth fires,  
He was humor Ed and champ golf player,  
And made Tech Nite a successful affair.



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### Hully's Nut Shop



I really shouldn't take the time  
To write this nutty stuff;  
I cannot move, I cannot look  
But what I see enough  
To keep me busy forty days  
And forty nights as well,  
Writing reports and studying:  
Ere long I must "mach schnell".  
But since they've wished the job on  
me—

It's wrong, I say, all wrong—  
Old Satan I command of thee  
Behind! and push me along.

*Schommer's Advice to a Ball player—(Censored)*

### Notice!!!!

All alumni of the ARMOUR DESTITUTE OF KNOWLEDGE are invited with untion to attend a meeting of the ALUMINUM ASSOCIATION to be held on FEBRUARY 30th, 1976, at 33rd. an de tracks; the following speelers will be there if they come—R. U. Silly, I. M. Ded, Seppul Kerr, Ann Teek, Ima Gufe, Ura Phule, Sheza Lemmun, Iona Ford, and Kismegood Knight.

Visitors are expected to bring their own programs and peanuts.

### Hotel Rules

To prevent guests from carrying fruit from the table, there will be no fruit.  
If you become hungry during the night, take a roll in bed.  
Feeble old gentlemen should not be found playing in the halls.  
Biscuits found riveted together can be opened by a chisel furnished by the waiter.

If you have a nightmare and find the bed to be a little buggy, hitch the mare to the buggy and drive off.

Those dining cars are where everyone should eat, especially if one is dieting. I went into one last year, being able to do so as the school played the liabilities incurred for the same, it being a baseball trip. The waiter, an Ethiopian gentleman, brought me a list of casualties of some of the victuals which wandered too near the car. My first selection, strangely, was a dish of soup, surnamed tomato, which was brought to me in the course of a few miles. I immediately investigated it, and was much chagrined to find that tomato was not a coefficient of this soup equation, and protested the use of submarines in soup-fare to the waiter. He consoled me by explaining that I could not expect to find cottages in cottage cheese, or porters in a porter house steak. He brought my steak in next and at first I thought it was a crack in the plate. It was so tough I couldn't stick a fork in the gravy so I told him to take it back and bring me some spaghetti or something I could eat. He said he couldn't do that as I had bent it all up. When he poured my coffee he said, "It looks like rain." "Yes," I replied, "but it has a faint odor of coffee."

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LONG, BEFORE







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HUMOR

## The Hunt

The snow has gone and the hunt is on!  
But not with falcon or hound;  
Its not a chase o'er valley and dale  
Urged on by trumpet's sound.

The scene is not some country club  
Or hunting reservation,  
'Tis thirty-third street, "by de tracks,"  
Where haps this grand occasion.

The prize is not some frightened hare,  
Or type of water-bird;  
It's just a pipe—a plain gas pipe!  
Which went to rest unheard.

It seems that every fall 'o the year  
(To the past four I can swear),  
They bury a pipe on thirty-third  
From the tracks to the thoroughfare.

But after a summer of idle play,  
(Or maybe in Physics lab),  
When we get back to the Tech in the fall  
The P. G. has had it's confab.

And so with the fall at hand again,  
Once more they mince the way,  
Laying this time five new pipes,  
For the hunt the following May.

And so goes on this hide-and-seeK,  
This annual hunting affair;  
Here's hoping this hunt will be the last—  
But there's really no hope there.

HANKAN '17—*No apologies*





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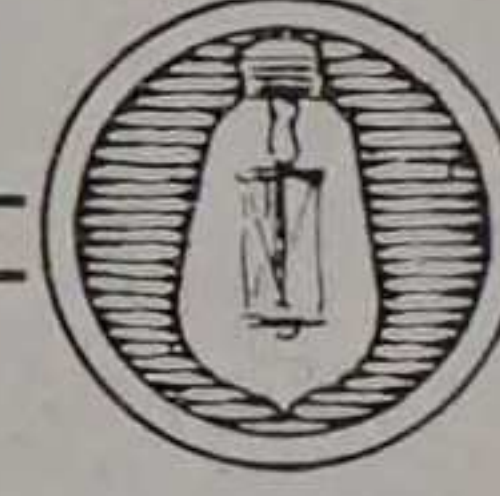
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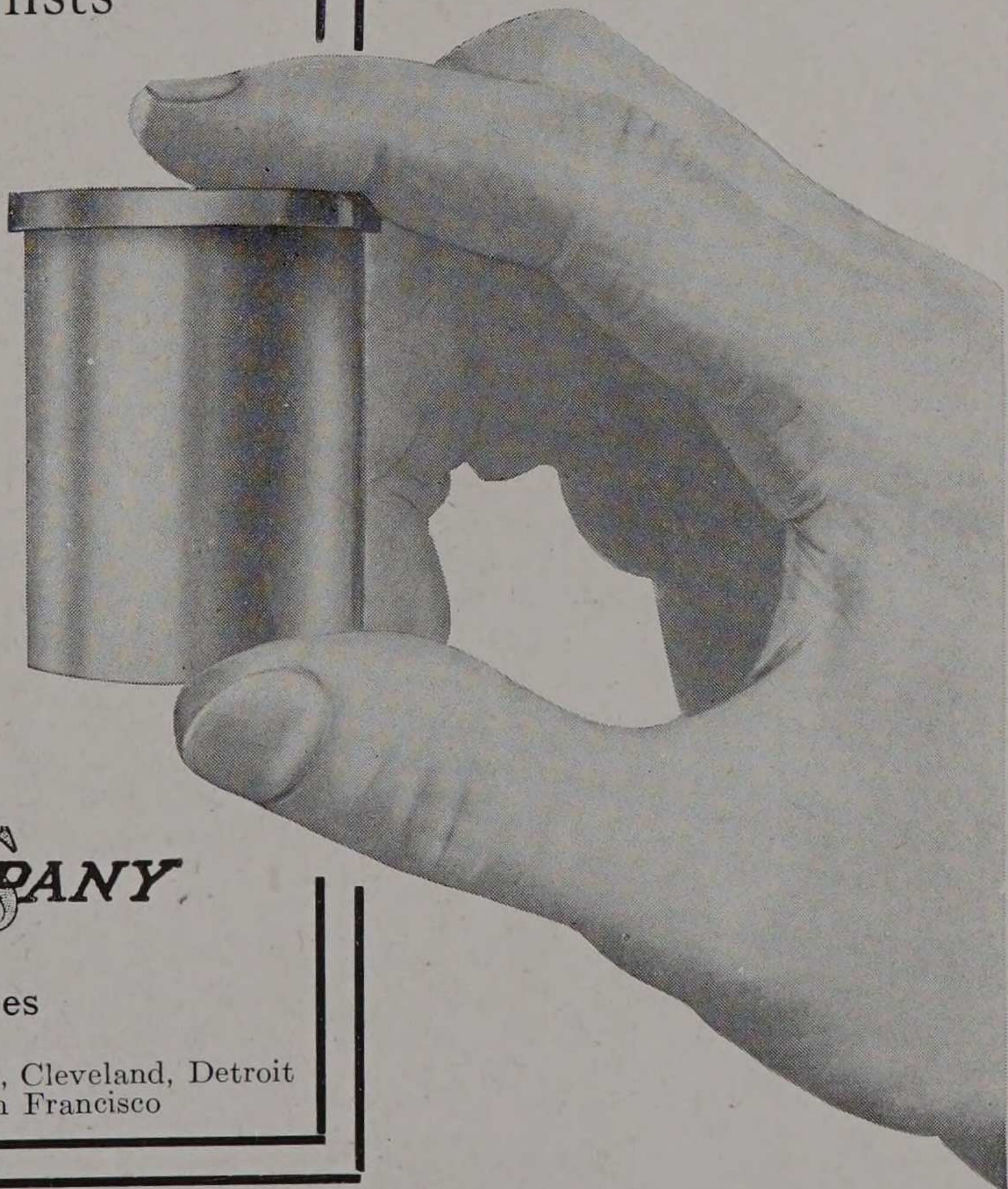
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HUMOR

SOME DAY, PERHAPS, YOU MAY READ THAT  
Hall and Conway are acting serious  
Prochazka has nothing to sell.  
King is not attending to business.  
Wignall got a string of A's.  
Rusk is wrestling champion.  
Sabiston is singing in Grand Opera.  
Petzing got a hair cut.  
Greenspahn stops talking.  
Vogdes says, "I don't know."  
Hofgren isn't going down town.  
Hupp goes to school.  
Evans loses his "pep."  
Scheuer stops grinning.  
Bruce is an engineer.  
Mann grows a mustache.  
Mac Stone lassoes the bull instead of shooting it.  
Somebody reads the "Engineer."  
Wollaston is optimistic.  
Stryker isn't talking electricity.  
Ingraham isn't imitating someone.  
Kleinman flunked.  
Earle forgot to be serious.  
Marx hasn't a good story.  
Deacon Cable dedicates his new church.  
Weiss is still collecting dollars for this Cycle.  
Shotwell isn't on a social committee.  
"Push" isn't chasing into the Deans' office.

BUT IT WON'T BE FOR SOME TIME  
YET, OLD PAL.

Johnny was told to use  
the word "notwithstanding"  
in a sentence. He said, "My  
father wore the seat out of his  
trousers, but not with stand-  
ing."







*A few of the many College and School Annuals printed by*  
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HUMOR

## Oddzenenz

Woodshop, Instructor: Didn't I tell you to notice when the glue boiled over?

Stude: Yes sir; it was twenty minutes past nine.

Translating Latin:

"Haec in Gallium est importanus."

"Hike into Gaul; it's important."

"How old is that lamp?"

"Two years."

"Turn it down; it's too young to smoke."

When she wasn't looking, I kissed her.

What did she do?

Refused to look at me the rest of the evening.

S. S. Teacher: Now Johnny, why do we put a penny on the plate each Sunday? 'Cause there ain't nothin' smaller.

We liken Prof. Wilcox's examinations to counterfeit money as they are so hard to pass.

"Have any of you fellows got a match?"

Dead silence.

"Well I presume then I'll have to use one of my own."

An Irishman who had been bitten by a parrot went into a drug store to get his finger dressed.

Druggist: "What bit you?"

Pat: "Indade it was a quare bird. It looked to me just like a Haybrew duck."

How dare you swear before me?

How did I know you wanted to swear first?

Generally speaking women are—

Yes they are.

Are what?

Generally speaking.

In a restaurant: My cocoa's cold.

Waiter: Put on your hat.

Stude: "I am indebted to you for all I know."

Prof.: "Don't mention it; it is but a mere trifle."

She: And would you put yourself out for my sake?

He: Yes.

She: Well, please do it then: I'm awfully sleepy.





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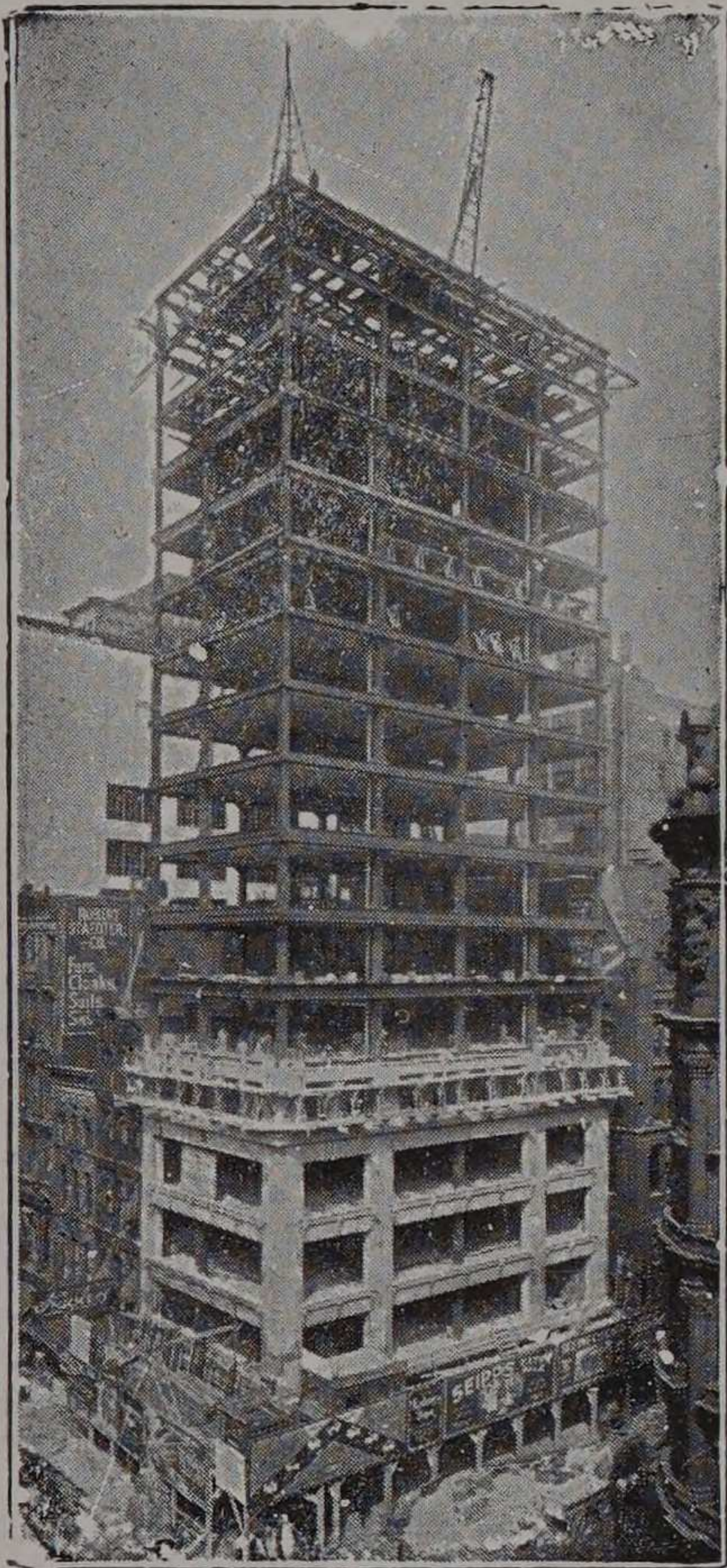
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## Culled from B. L. T.

### COOL INDEED

(From *The Tuttle, N.D., Star*)

At the burning of a barn in Steele recently, our superintendent displayed some nerve and pluck. Miss Sherman did not wait for the men to get there but hastened to the barn without stopping to dress, and in bare feet untied the horses before they had become unmanageable thus saving them a lot of trouble. There is not a man, we venture to say, in all Steele but would have stopped to put on his pants before venturing out into the crisp air, but she did not, her whole thought being of the dumb animals imperiled, and it was indeed, a nervy and cool headed performance.

### "HERE COMES THE BRIDGE"

(From *the Saunemin, Ill., Headlight.*)

Fifty years had elapsed since Miss Sarah Funk and Baltzer Schaub took the martial vow in the home of Miss Funk's parents.

### A TRAILER

(From *the Polaski Co., Ind. Democrat.*)

A few days ago the stork left the twelfth child at the home of a Logansport family named Carr, and Mrs. Carr says she'd like to name it Caboose.



Just as we were going to press we found that we still had a vacant space in this child of our imagination. We feared that Weiss would kick if we didn't fill the book up, and make his long list of subscribers think they were getting their money's worth. We sent a scout through the corridors of our beloved institution in search of a merry quip. He soon returned with the following, which he had overheard. We decided to print it because it is representative of the conversation between students. It seems that Marvin stopped Hully as the Freshmen were drilling in the gymnasium. With—"Say Hully, some of the Freshmen have deserted already."

Hully: "Oh, is that so, where did you hear that?"

Marvin: "I was just passing the 'gym' and I hears someone yelling 'Squad Left'."



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HUMOR

Writing this way at so much a line would hardly pay. Never! Nay, nay!  
It would be absurd!

Still,  
I am of the opinion  
That  
It is a great deal honester  
Than calling this kind  
Of  
Stuff poetry,  
And getting so  
Much a  
Line For it.  
Eh?

"G-G-Good evening!" said Stevens, who had come to speak to her father.  
"Good evening," replied the old gentleman. "You look a bit nervous."  
"Oh, you flatter me. I was afraid I looked scared to death."

"Stennet, dear, the cook has left—"  
"Now Gwendolyn, is it right to meet me with such news when I return home late from the office, all tired out and hungry—"  
"But, Stennet, dear, I merely want to say the cook has left—"  
"Yes, I know you 'merely want to say'. And I merely want to say that it's a great shame this house is eternally disorganized. Other women manage to keep their servants. Why can't you? Why—"  
"Stennet Hulburt, I tell you that the cook knew you would be late, so she left a cold chicken, a custard pudding, and a pint of claret on the dining room table for you."  
"Well, in the name of common sense, why didn't you say that at first?"

*THE POOR ARTIST.*





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HUMOR

My Bonnie lies under the auto,  
My Bonnie lies under the car;  
Please send to the garage for someone,  
'Tis lonesome up here where I are.

"Do you have matins at your church?"  
"No, we have oilcloth,"  
Wouldn't that floor you?

One of our stews was arrested the other day on suspicion because they caught him enetering a powder mill with a copy of Ella Wheeler Wilcox's "Poems of Passion" under his arm.

Clara: Coming home from the dance the other night I met Charlie Spooner in a crowded car, and he didn't even offer me a seat.  
Maud: Perhaps he knew you had been sitting down all evening.

Eva: You seem to be having a great deal of trouble with your new car.  
Jack: Yes, I have named it "True Love."  
True Love? Gracious! Why?  
Because true love never did run smooth.

I took a share in a garden,  
But got an awful shock;  
I found the canny gardener  
Had watered all the stock.

Waiter: We do not serve half portions, sir.  
Patron: Oh yes you do, but you charge for full ones.

First Turtle: Grandma is nearly 400 years old, and has lost all her teeth.  
Second Turtle: Well, then, she has a soft snap.

### Found in "Kat" Taylor's Diary

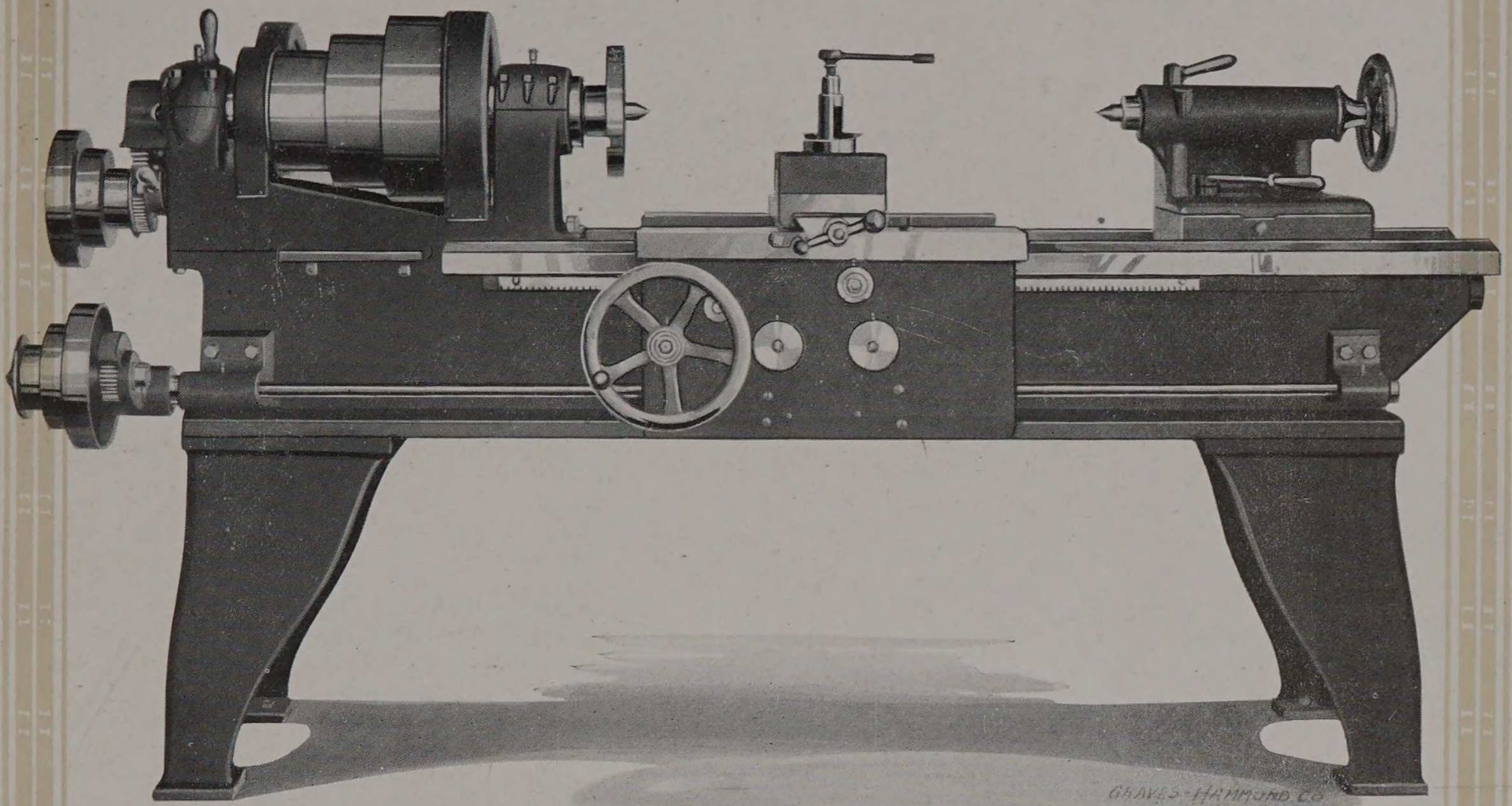
January 22, 1917.

Tickets for show . . . . .	\$ 6.00
Dinner . . . . .	10.00
Flowers . . . . .	6.00
Taxi . . . . .	5.53
Candy . . . . .	1.49
Miscellanecus . . . . .	.13
Total . . . . .	\$28.15

Note: Kitty is a wonderful girl.

Editor's Note: Detailed investigation by the Spinkertons and Colmes show that Mr. Taylor was down in Galesburg upon this day. Also that while there he had exchanged coats with a friend and thus the mystery of the memoranda. Anyhow Kat says so and we take his word for it, altho Kat and Kitty sound familiar.





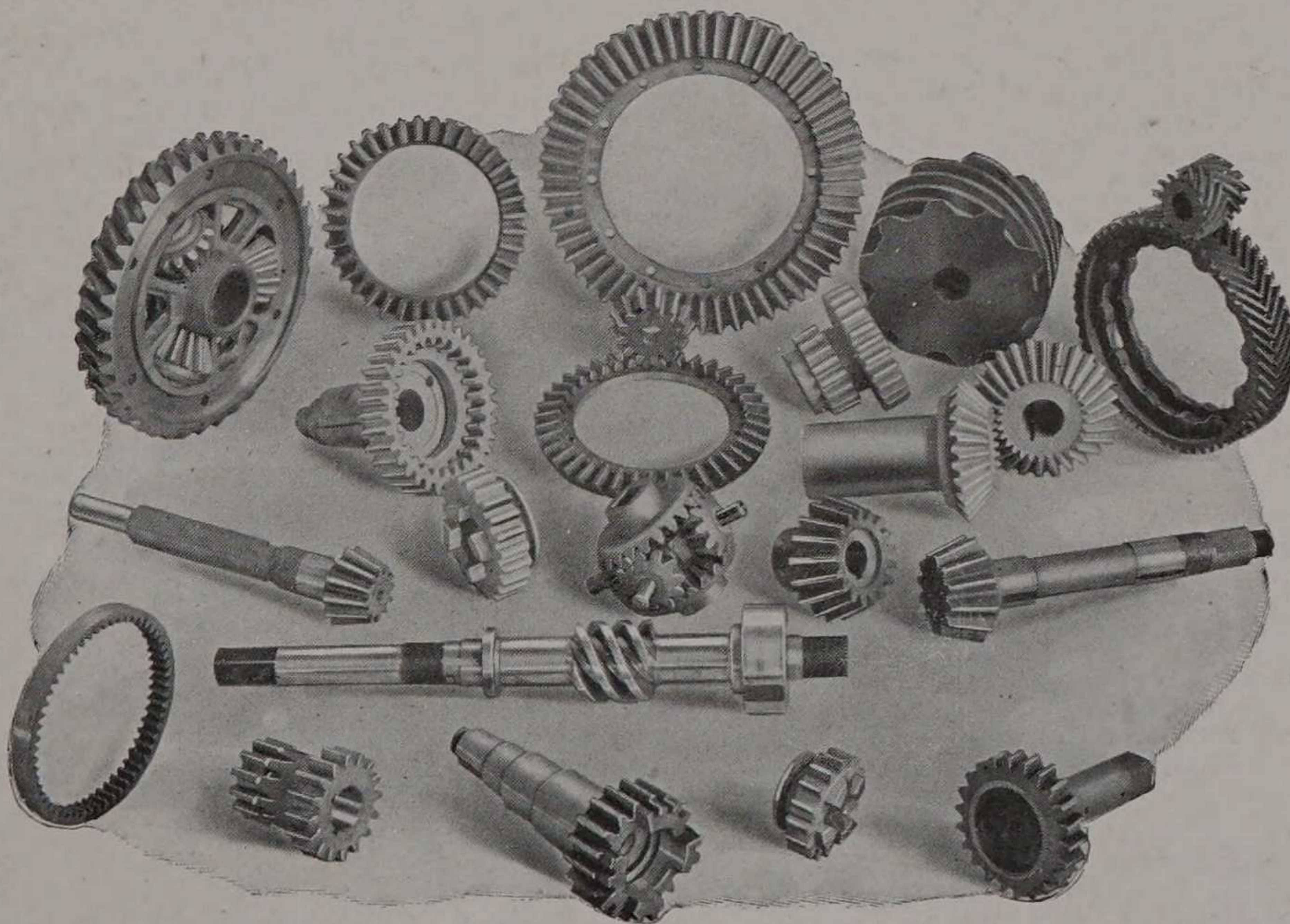
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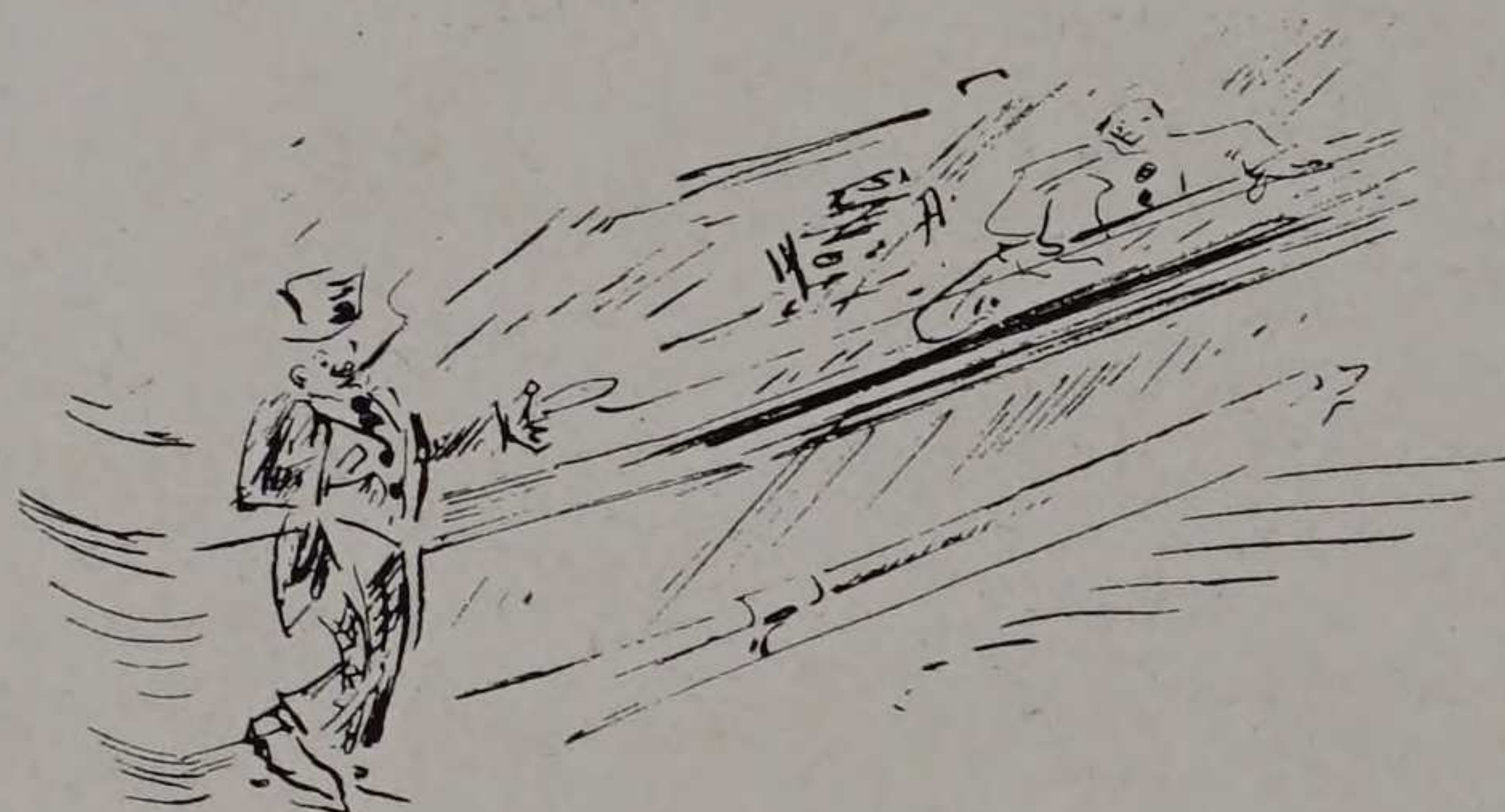
CHICAGO, ILLINOIS



## Light Occupations

Admiring a concrete form.  
Gathering the grain in a pine board.  
Trying to eat from an electric feeder.  
Squeezing the oil out of an oil-stove.  
Getting your bearing with a drawing compass.  
Looking for TWO beautiful coeds at Armour.  
Trying to rust a bar of castile soap.  
Picking the teeth of a spur-gear.  
Making a transverse test on a beam of light.  
Running around a magnetic field.  
A blind music lover going to the follies.

NOT QUITE SO LIGHT  
Smoking a lead pipe.



CONWAY WILL BE THE  
SOLE OWNER OF THE  
LONGEST BAR IN THE  
WORLD

“You can’t get in here on a half ticket,” exclaimed the doorkeeper at the Junior play.

“I thought I could,” explained the Soph, “because I have only one good eye, and expect to see only half the play.”

“You’ll need two tickets, then, because it will take you twice as long to see the show.”

“I don’t think much of Holland.”

“No, it’s a low lying country.”



## COMPLIMENTS AND BEST WISHES

FROM

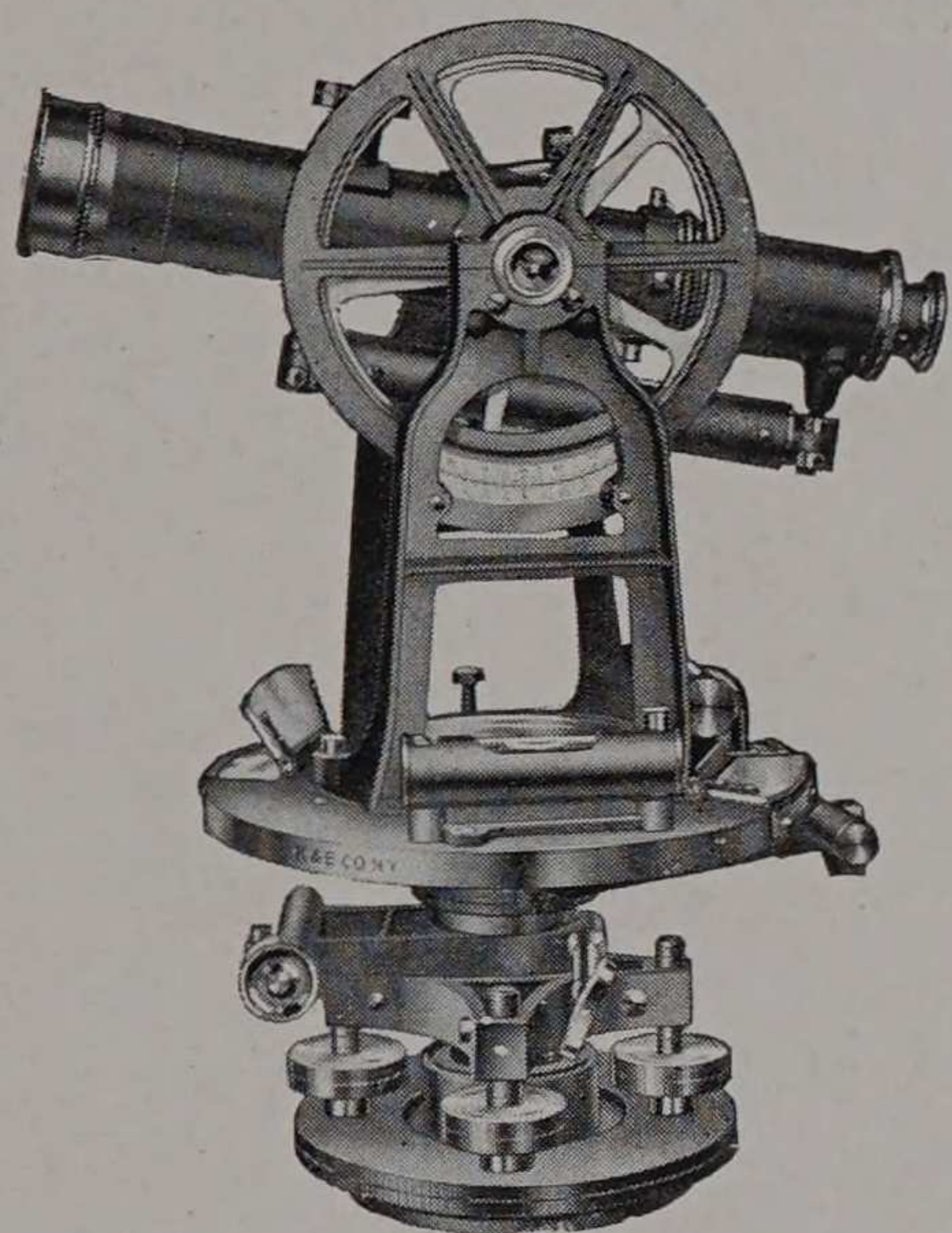
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## To the Editor

Sir: You have behaved like an impetiginous scrogle—like those who, envious of any moral celsitude, carry their ungllicity to the height of creating symposiacally the fecund words which may polymathic genius uses with uberty to abligate the tongues of the weetless! Sir, you have crassly parodied my own pet words, though they were trangams

I will not coascervate reproaches. I will oduce a veil over the atramental ingratitude which has chamfered even my indiscerptible heart. I am silent on the focillation which coadjuvancy must have given when I offered to become your fantor and adminicle. I will not speak of the lippitude, the bolepsy you have shown in exascerbating me, one whose genius you should have approached with mental discalceation. So I tell you without supervacaneous words, nothing will render ignoscible your conduct to me.

I warn you that I would vellicate your nose if I thought that any mortal diarthrosis might thereby be performed, if I thought I should not impignorate my reputation. Go, tachydermic scrogle, hand with your crass, inquisite favors! Draw oblectations, if you can, from the thought that you have synchronically lost the existimation of the greatest poet since Milton!

“Is this Heaven?”

“Yes, sir, but you can't get in just now.”

“Why not?”

“The investigating Committee is in session.”

“When do they expect to be married?”

“As soon as he can become reconciled to the idea of living beyond his income.”

“What is your idea of universal peace?”

“Well,” said the practical person, “the best I look for at present is a situation where everybody is so willing to fight that no one wants to start it.”





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## HUMOR

There was a young lady named Bunny  
Whose actions were terribly funny;  
One time she bet  
That the rain wasn't wet,  
But she lost every cent of her money.

Another young chicken was Helen,  
Her favorite fruit was the melon;  
It was all very nice  
When she kept them on ice,  
But when she did not you could smell em.

She had a young brother called Lew,  
Who lived near a wonderful zoo;  
He conversed with the bear  
And the other brutes there,  
Which raised quite a hullabaloo. W.C.W.

There is a fellow named Given  
Who ought to be glad he's living.  
While at Armour he's been  
He has raised three chins  
He'll eventually make it seven.

Leo Rosenberg is some boy  
They say he's the ladies pride and joy.  
A dancer or engineer he'll make,  
He is the inventor of "Hello Jake."

There is also a guy named Schmidthy  
His collection of hand books is nifty.  
With luck, we predict.  
If he doesn't get sick,  
He'll have read at least half when he's fifty.

Then look at Fat Summerfield—  
Cute little fellow,  
Plays mandolin, banjo, uke, or cello.  
When he's not playing  
Or stuffing pie down,  
At the front at the Gaiety  
He can always be found.

I have traveled all over Chicago-town,  
I know it backwards and upside down,  
And of all the girls I've ever seen  
Venus Vogdes is the village queen.

You've heard of "Matty," the wireless bug,  
You can tell him by the radio-look on his mug.  
Among other bugs he stands quite high,  
If he doesn't, Matty's been tellin' lies.

And Ingraham, the syncopated melody man,  
He put the "Jazz" in our famous band.  
On that piano stool  
He acts just like a fool,  
And he's sure to bring the house down with a hand.



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## An Epithode

As I crossed the Wheatstone bridge about 3 A. M. I happened to look up. There was Harry Gilbert at the top of one of the coulombs. He gazed fixedly through an electroscope which he held in one hand; in the other he held a unit-pole, on the end of which was fastened a mag-net. I asked Harry Watt he was doing. "This is my thesis," said he, without looking away from the electroscope; "I can see a gauss flying this way; it is only 3 centimeters away. If you'll keep quiet a few minutes till it comes nearer I'll catch it in my mag-net. If I can do this elec-tric, I'll be the first person in the world to catch a live gauss. I ought to get a swell write-up in the current issue of the Cycle."

When I heard this I almost had hysteresis—I knew his capacity for electrolyte, and that he had been visiting the bus-bar with great frequency of late. I wanted to hear more, so I induced him to explain the theory on which he was working.

"It's like this," said Harry, "When a gauss flies across a field it always travels along some transmission line, to the nearest arc-light, where it can restfully float around with the eddy-current. The gauss has a great reluctance about showing its phase (face), but he likes Maxwell, and if some is hung on a slide wire he gets all excited (like a generator). After opening his feeder wide, helix (or shelix) it until he is overloaded; his power factor is zero, and it is then possible to catch him in a magnet. This is much more humane than the old way. They used to get the gauss inside a Murray loop and then strangle it by means of a choke-coil."

"Come down," said I "or there is liable to be a big drop of potential."

Harry answered, "I shunt."

I told him that if he didn't I'd call one of those lightening arresters.

"He will use E.M.F., make you appear in court, charge you with electricity, and put you in some old wet-cell." Anode this would scare him."

He offered no more resistance and came down. He came down very slowly so as not to break the Right Hand Rule which he had in his pocket.

I said, "Harry I'm going to take you ohm."

"Lead the way," said he, "and I won't lag; let me cathode of your arm."

When we were seated in the motor he looked at me and said, "Ha! ha! That's good joke. Think what the copper-loss by not catching me."

I left him.

The next day there was no reactance. When I saw him two months later, he said he was off the juice forever. He also told me he had moved to Elmhurst.

The last I heard of him, he was running a condenser in a circular mil and Harry to show his patriotism, had joined the Edis-on storage battery.



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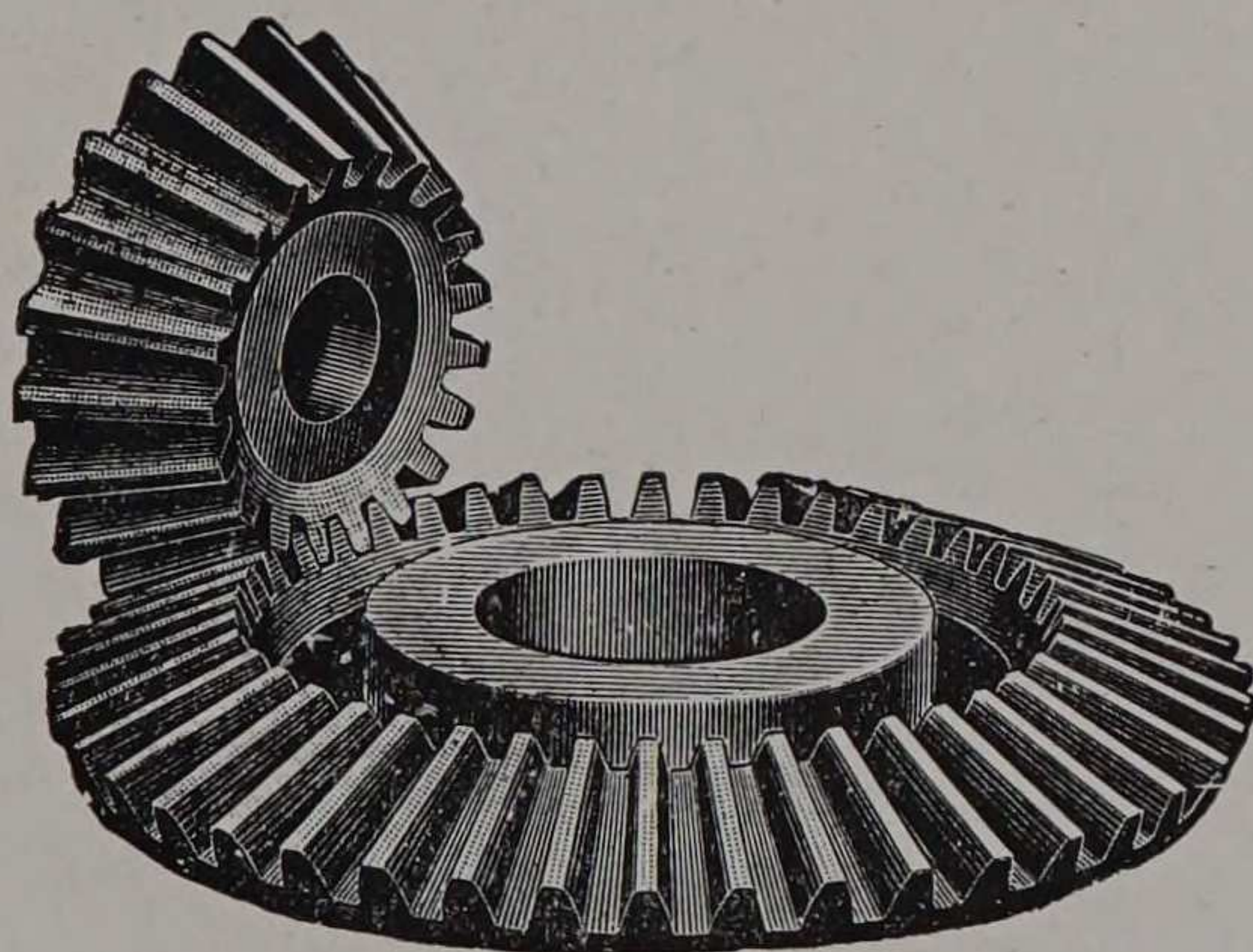
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HUMOR

"Can't give yo' fried eggs this mawnin', boss," the negro porter informed me, lessen yo' want to wait till we stops."

"Why, how is that," I asked him.

"Well, Suh, de cook says de roads am so rough dat ebery time tries to fry eggs, dey scrambles."

1517

"Avaunt!"

"Marry, come up!"

"Odds splutter my nails, have at thee!"

"On, gadzooks!"

1917

"Fa-a-a-ake!"

"Soak de ump!"

"Paste de gufe in de slats!"

"Cheese it, de cops!"

FAMILIAR SAYINGS

375,419,022½.

"You're the only girl I ever loved!"

Prof.: If I borrowed a thousand dollars from you, promising to pay fifty dollars a month, how much would I owe you at the end of a year?

Stude: A thousand dollars.

Prof: I see you don't know even the elements of arithmetic.

Stude: That may be, but I know you.

The loss of eden may be attributed to a pomological cause—a green pair and a red apple.

"Any accidents on your motor trip through Italy and France, Morgan?"

"No, nothing worth mentioning. My wife was thrown out and bruised a bit, but the machine never got so much as a scratch."





## “Ad” Index

NAME AND BUSINESS	PAGE
American Association of Engineers . . . . .	271
Armour & Co. . . . .	265
Armour Institute of Technology . . . . .	273
Ben Fitzner . . . . .	275
Richard Bladdey . . . . .	271
Central Steel Co. . . . .	281
S. B. Chapin . . . . .	275
Cheshire & Shotwell . . . . .	253
Commonwealth Edison Co. . . . .	267
Continental & Commercial National Bank . . . . .	261
Dockstader & Sandberg . . . . .	259
Eugene Dietzgen . . . . .	255
Elite Laundry . . . . .	279
Engineering Agency . . . . .	275
A. Finkle & Sons . . . . .	283
Foote Bros. . . . .	285
Fulton Machinery Co. . . . .	277
Gane Bros. . . . .	275
Green Engineering Co. . . . .	279
Theodore Gottman & Sons . . . . .	285
Hansell Elcock Co. . . . .	271
Jahn & Ollier . . . . .	263
Johnson Bronze Co. . . . .	267
Jones & Laughlin . . . . .	255
Kenwood Bridge . . . . .	253
Keuffel & Esser . . . . .	279
Wm. L. Koehne . . . . .	257
Magie Bros. . . . .	253
E. R. Moore Co. . . . .	259
Rogers Printing Co. . . . .	269
Stevens Press . . . . .	255
Waterman Pen Co. . . . .	251
West Michigan Steel Foundry Co. . . . .	259
Van Horn & Son . . . . .	279



















